

H1 Structure at 36-42 Hz

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Some Comments

- These results are based on coherence with the $h(t)$ channel, averaged over a week with 1 mHz resolution. You can find the complete results [here](#).
- All the channels here have some interesting structure in this range, but the line at ~ 41 Hz in the ASC, SUS, PEM, ISI, and LSC channels with Pat's results.
- There's a line at 38.7 Hz that appears in the HPI, IMC, ISI, PEM, and SUS channels.

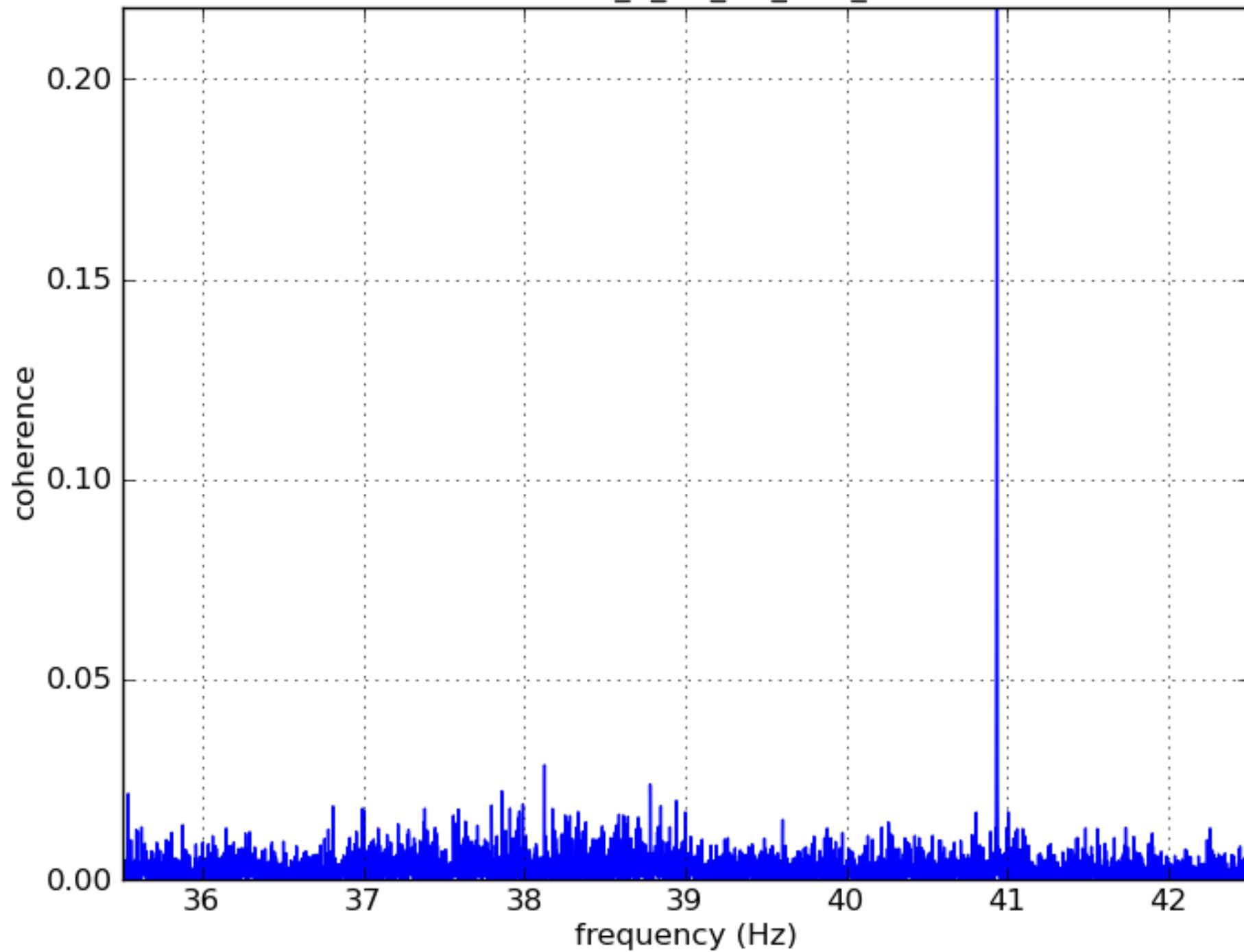
All Channels

- H1:ASC-AS_A_DC_PIT_OUT_DQ
- H1:ASC-AS_A_DC_SUM_OUT_DQ
- H1:ASC-AS_A_DC_YAW_OUT_DQ
- H1:ASC-AS_A_RF36_I_PIT_OUT_DQ
- H1:ASC-AS_A_RF36_I_YAW_OUT_DQ
- H1:ASC-AS_A_RF36_Q_PIT_OUT_DQ
- H1:ASC-AS_A_RF36_Q_YAW_OUT_DQ
- H1:ASC-AS_A_RF45_I_PIT_OUT_DQ
- H1:ASC-AS_A_RF45_I_YAW_OUT_DQ
- H1:ASC-AS_A_RF45_Q_PIT_OUT_DQ
- H1:ASC-AS_A_RF45_Q_YAW_OUT_DQ
- H1:ASC-AS_B_DC_PIT_OUT_DQ
- H1:ASC-AS_B_DC_SUM_OUT_DQ
- H1:ASC-AS_B_DC_YAW_OUT_DQ
- H1:ASC-AS_B_RF36_I_PIT_OUT_DQ
- H1:ASC-AS_B_RF36_I_YAW_OUT_DQ
- H1:ASC-AS_B_RF36_Q_PIT_OUT_DQ
- H1:ASC-AS_B_RF36_Q_YAW_OUT_DQ
- H1:ASC-REFL_A_DC_PIT_OUT_DQ
- H1:ASC-REFL_A_DC_SUM_OUT_DQ
- H1:ASC-REFL_A_DC_YAW_OUT_DQ
- H1:ASC-REFL_A_RF45_I_PIT_OUT_DQ
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- H1:HPI-HAM2_BLND_L4C_RZ_IN1_DQ
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- H1:HPI-HAM2_BLND_L4C_Y_IN1_DQ
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- H1:HPI-HAM3_BLND_L4C_Y_IN1_DQ
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- H1:HPI-ITMY_BLND_L4C_Z_IN1_DQ
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- H1:IMC-WFS_B_Q_YAW_OUT_DQ
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- H1:ISI-BS_ST1_BLND_RY_T240_CUR_IN1_DQ
- H1:ISI-BS_ST1_BLND_X_T240_CUR_IN1_DQ
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- H1:ISI-BS_ST2_BLND_RX_GS13_CUR_IN1_DQ
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- H1:ISI-GND_STS_HAM5_Y_DQ
- H1:ISI-GND_STS_HAM5_Z_DQ
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- H1:ISI-GND_STS_ITMY_Z_DQ
- H1:ISI-HAM2_BLND_GS13RX_IN1_DQ
- H1:ISI-HAM2_BLND_GS13RY_IN1_DQ
- H1:ISI-HAM2_BLND_GS13RZ_IN1_DQ
- H1:ISI-HAM2_BLND_GS13X_IN1_DQ
- H1:ISI-HAM2_BLND_GS13Y_IN1_DQ
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- H1:ISI-HAM3_BLND_GS13RX_IN1_DQ.pn

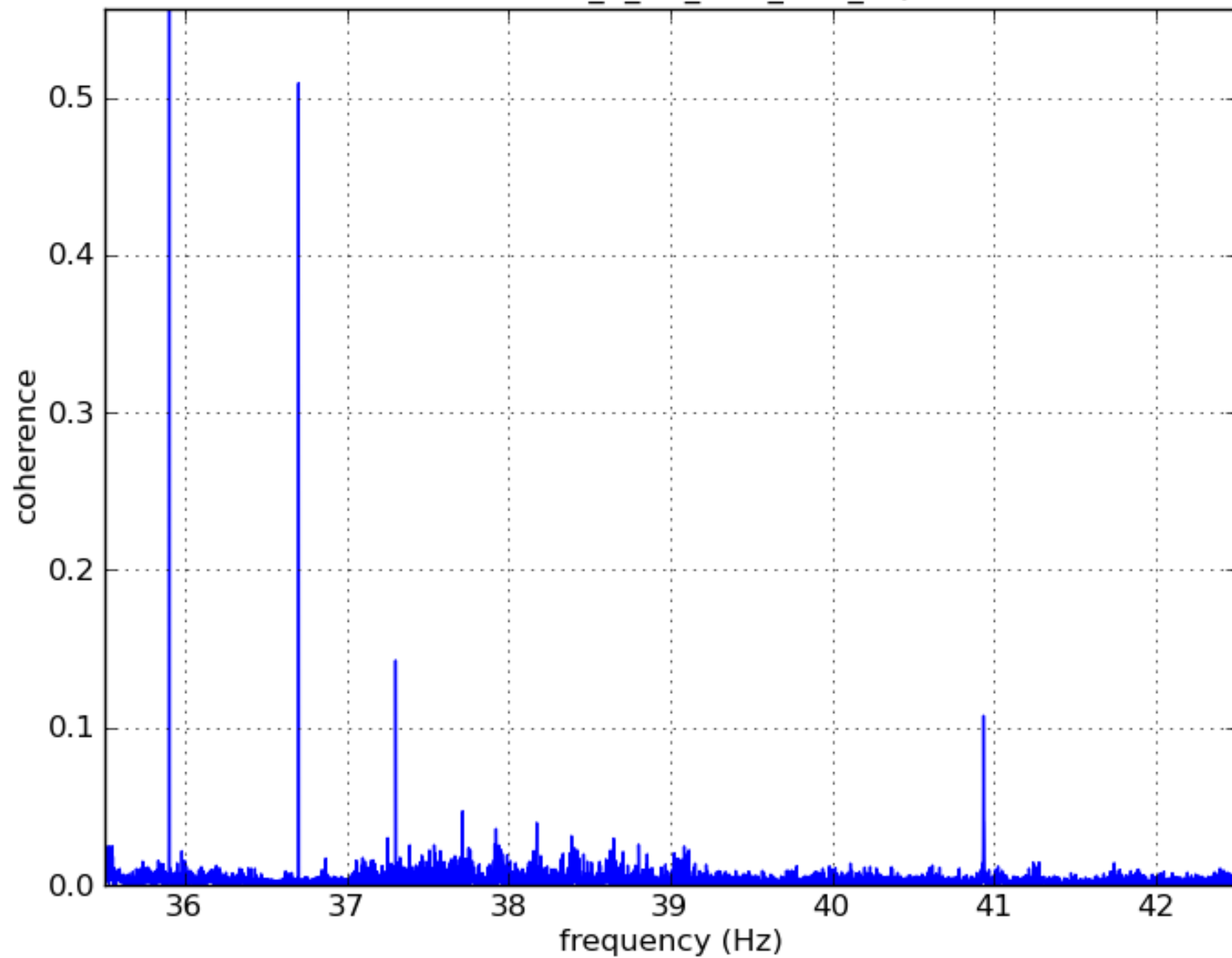
•All Channels (cont.)

- H1:ISI-HAM3_BLND_GS13RY_IN1_DQ
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- H1:ISI-HAM4_BLND_GS13Y_IN1_DQ
- H1:ISI-HAM4_BLND_GS13Z_IN1_DQ
- H1:ISI-HAM5_BLND_GS13RX_IN1_DQ
- H1:ISI-HAM5_BLND_GS13RY_IN1_DQ
- H1:ISI-HAM5_BLND_GS13X_IN1_DQ
- H1:ISI-HAM5_BLND_GS13Y_IN1_DQ
- H1:ISI-HAM5_BLND_GS13Z_IN1_DQ
- H1:ISI-HAM6_BLND_GS13RX_IN1_DQ
- H1:ISI-HAM6_BLND_GS13RY_IN1_DQ
- H1:ISI-HAM6_BLND_GS13RZ_IN1_DQ
- H1:ISI-HAM6_BLND_GS13X_IN1_DQ
- H1:ISI-HAM6_BLND_GS13Y_IN1_DQ
- H1:ISI-HAM6_BLND_GS13Z_IN1_DQ
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- H1:ISI-ITMX_ST1_BLND_X_T240_CUR_IN1_DQ
- H1:ISI-ITMX_ST1_BLND_Y_T240_CUR_IN1_DQ
- H1:ISI-ITMX_ST1_BLND_Z_T240_CUR_IN1_DQ
- H1:ISI-ITMX_ST2_BLND_RY_GS13_CUR_IN1_DQ
- H1:ISI-ITMY_ST1_BLND_RX_T240_CUR_IN1_DQ
- H1:ISI-ITMY_ST1_BLND_RY_T240_CUR_IN1_DQ
- H1:ISI-ITMY_ST1_BLND_RZ_T240_CUR_IN1_DQ
- H1:ISI-ITMY_ST1_BLND_X_T240_CUR_IN1_DQ
- H1:ISI-ITMY_ST1_BLND_Y_T240_CUR_IN1_DQ
- H1:ISI-ITMY_ST1_BLND_Z_T240_CUR_IN1_DQ
- H1:ISI-ITMY_ST2_BLND_RX_GS13_CUR_IN1_DQ
- H1:ISI-ITMY_ST2_BLND_Y_GS13_CUR_IN1_DQ
- H1:ISI-ITMY_ST2_BLND_Z_GS13_CUR_IN1_DQ
- H1:LSC-DARM_IN1_DQ
- H1:LSC-MICH_IN1_DQ
- H1:LSC-PRCL_IN1_DQ
- H1:LSC-SRCL_IN1_DQ
- H1:PEM-CS_ACC_BEAMTUBE_XMAN_Y_DQ
- H1:PEM-CS_ACC_BEAMTUBE_YMAN_X_DQ
- H1:PEM-CS_ACC_BSC1_ITMY_X_DQ
- H1:PEM-CS_ACC_BSC1_ITMY_Y_DQ
- H1:PEM-CS_ACC_BSC1_ITMY_Z_DQ
- H1:PEM-CS_ACC_BSC2_BS_Y_DQ
- H1:PEM-CS_ACC_BSC3_ITMX_X_DQ
- H1:PEM-CS_ACC_BSC3_ITMX_Y_DQ
- H1:PEM-CS_ACC_EBAY_FLOOR_Z_DQ
- H1:PEM-CS_ACC_HAM3_PR2_Y_DQ
- H1:PEM-CS_ACC_HAM4_SR2_X_DQ
- H1:PEM-CS_ACC_HAM6_OMC_X_DQ
- H1:PEM-CS_ACC_HAM6_OMC_Z_DQ
- H1:PEM-CS_ACC_IOT2_INPUTOPTICS_Y_DQ
- H1:PEM-CS_ACC_ISCT1_REFL_Y_DQ
- H1:PEM-CS_ACC_LVEAFLOOR_BS_X_DQ
- H1:PEM-CS_ACC_LVEAFLOOR_BS_Z_DQ
- H1:PEM-CS_ACC_LVEAFLOOR_HAM1_Z_DQ
- H1:PEM-CS_ACC_LVEAFLOOR_XCRYO_Z_DQ
- H1:PEM-CS_ACC_LVEAFLOOR_YCRYO_Z_DQ
- H1:PEM-CS_ACC_OPLEV_ITMX_Y_DQ
- H1:PEM-CS_ACC_OPLEV_ITMY_X_DQ
- H1:PEM-CS_ACC_PSL_PERISCOPE_X_DQ
- H1:PEM-CS_ACC_PSL_TABLE1_Y_DQ
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- H1:PEM-CS_MAG_LVEA_INPUTOPTICS_Y_DQ
- H1:PEM-CS_MAG_LVEA_INPUTOPTICS_Z_DQ
- H1:PEM-CS_MIC_LVEA_BS_DQ
- H1:PEM-CS_MIC_LVEA_HAM7_DQ
- H1:PEM-CS_MIC_LVEA_INPUTOPTICS_DQ
- H1:PEM-CS_MIC_LVEA_VERTEX_DQ
- H1:PEM-CS_MIC_LVEA_XMANSPPOOL_DQ
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- H1:PEM-CS_MIC_PSL_CENTER_DQ
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- H1:PEM-EY_MAG_EBAY_SUSRACK_X_DQ
- H1:PEM-MY_SEIS_VEA_FLOOR_X_DQ
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- H1:PSL-PMC_HV_MON_OUT_DQ
- H1:SUS-BS_M1_DAMP_R_IN1_DQ
- H1:SUS-BS_M1_DAMP_T_IN1_DQ
- H1:SUS-BS_M1_DAMP_V_IN1_DQ
- H1:SUS-BS_M2_WIT_L_DQ
- H1:SUS-BS_M2_WIT_P_DQ
- H1:SUS-BS_M2_WIT_Y_DQ
- H1:SUS-BS_M3_OPLEV_PIT_OUT_DQ
- H1:SUS-ETMY_L2_WIT_L_DQ
- H1:SUS-ETMY_L2_WIT_P_DQ
- H1:SUS-ITMX_L3_OPLEV_PIT_OUT_DQ
- H1:SUS-ITMX_L3_OPLEV_YAW_OUT_DQ
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- H1:SUS-PR2_M1_DAMP_P_IN1_DQ
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- H1:SUS-PR3_M3_OPLEV_PIT_OUT_DQ
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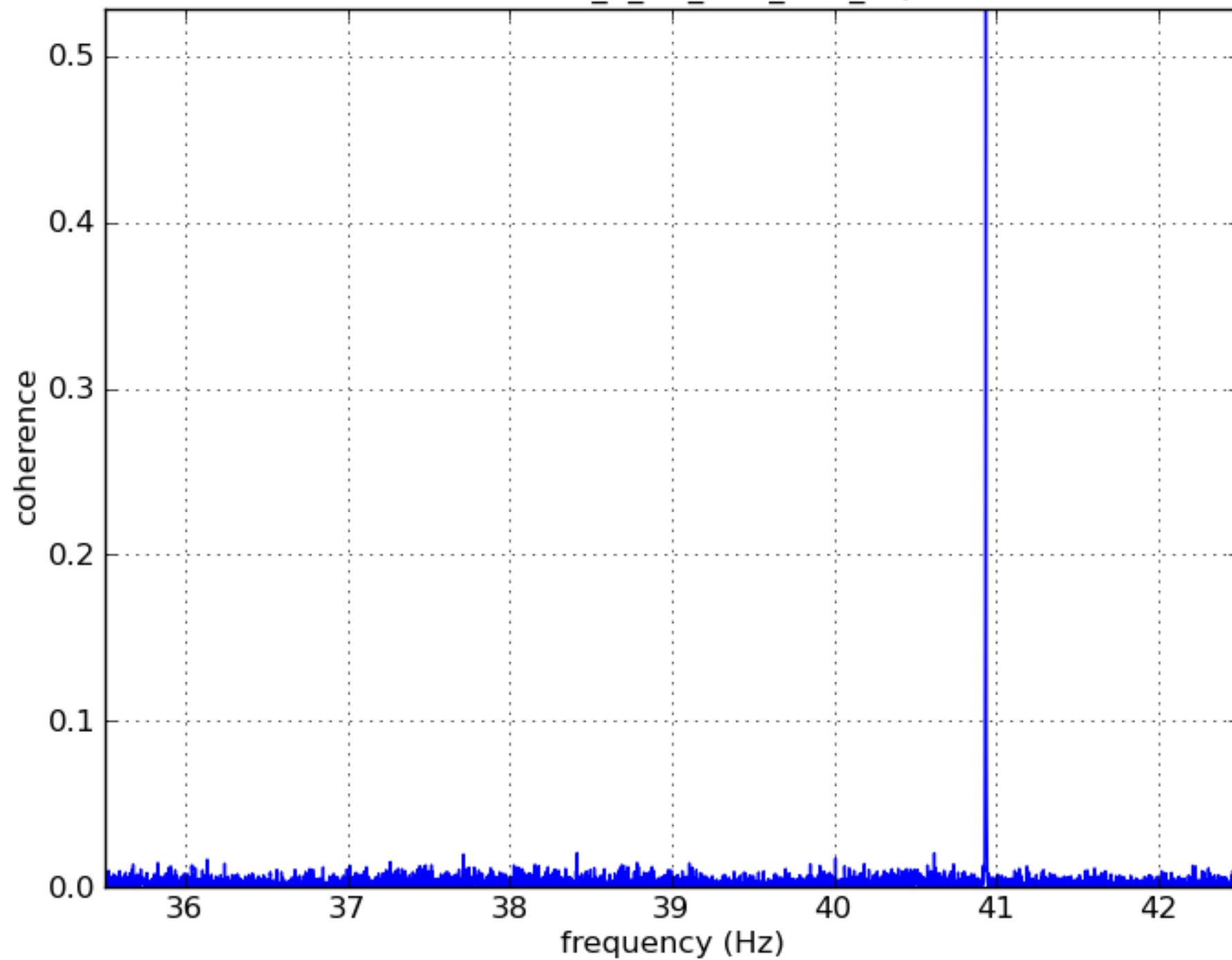
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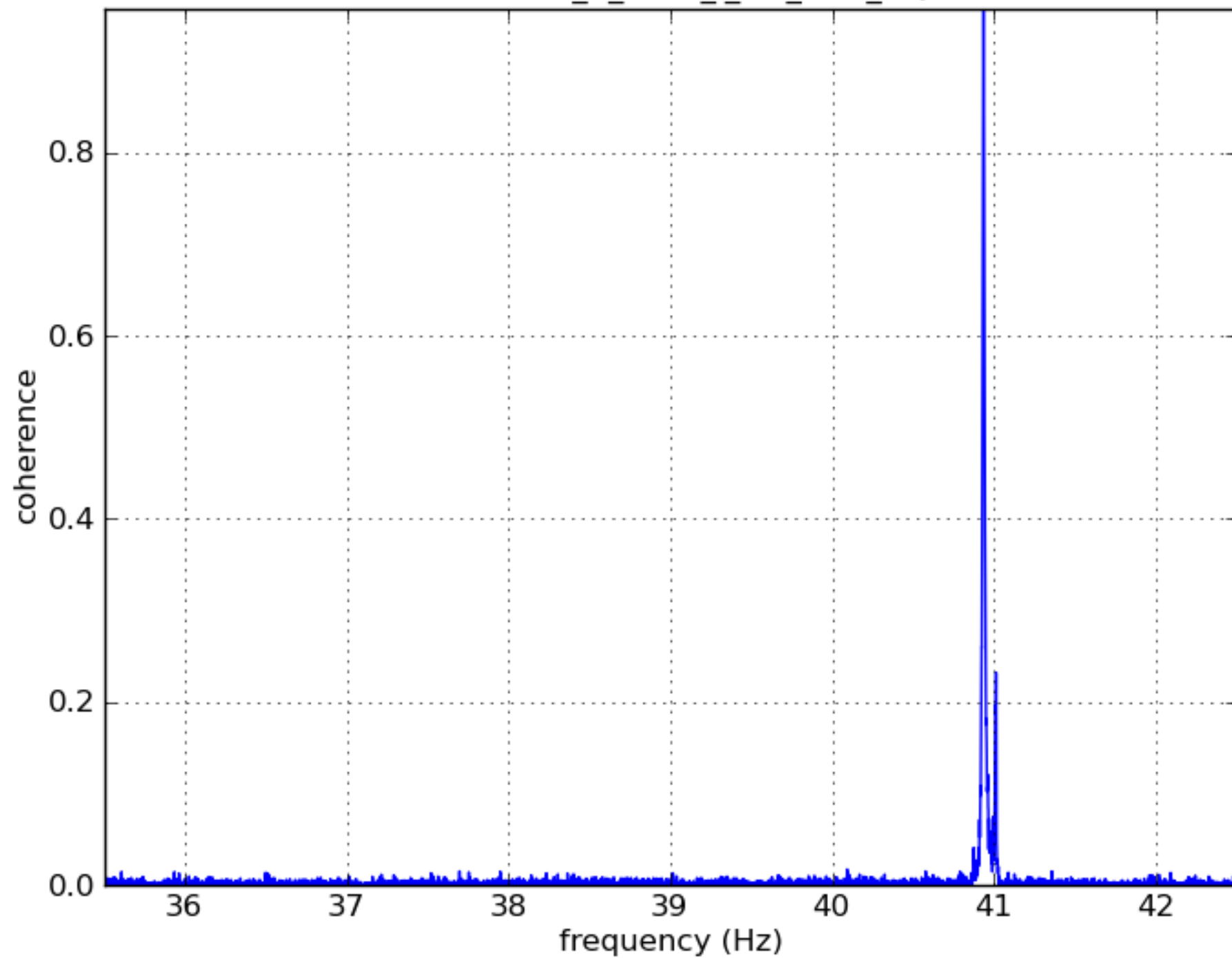
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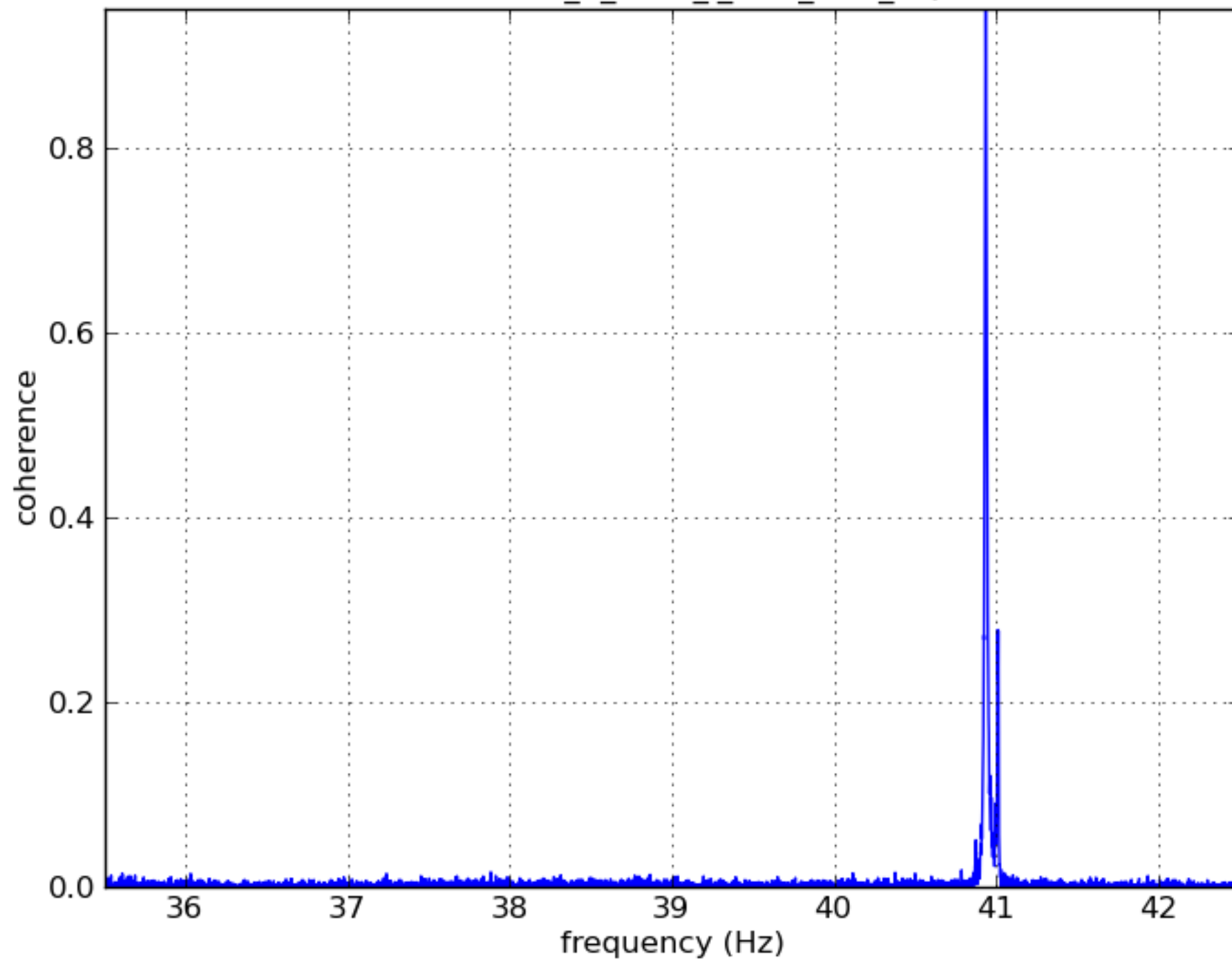
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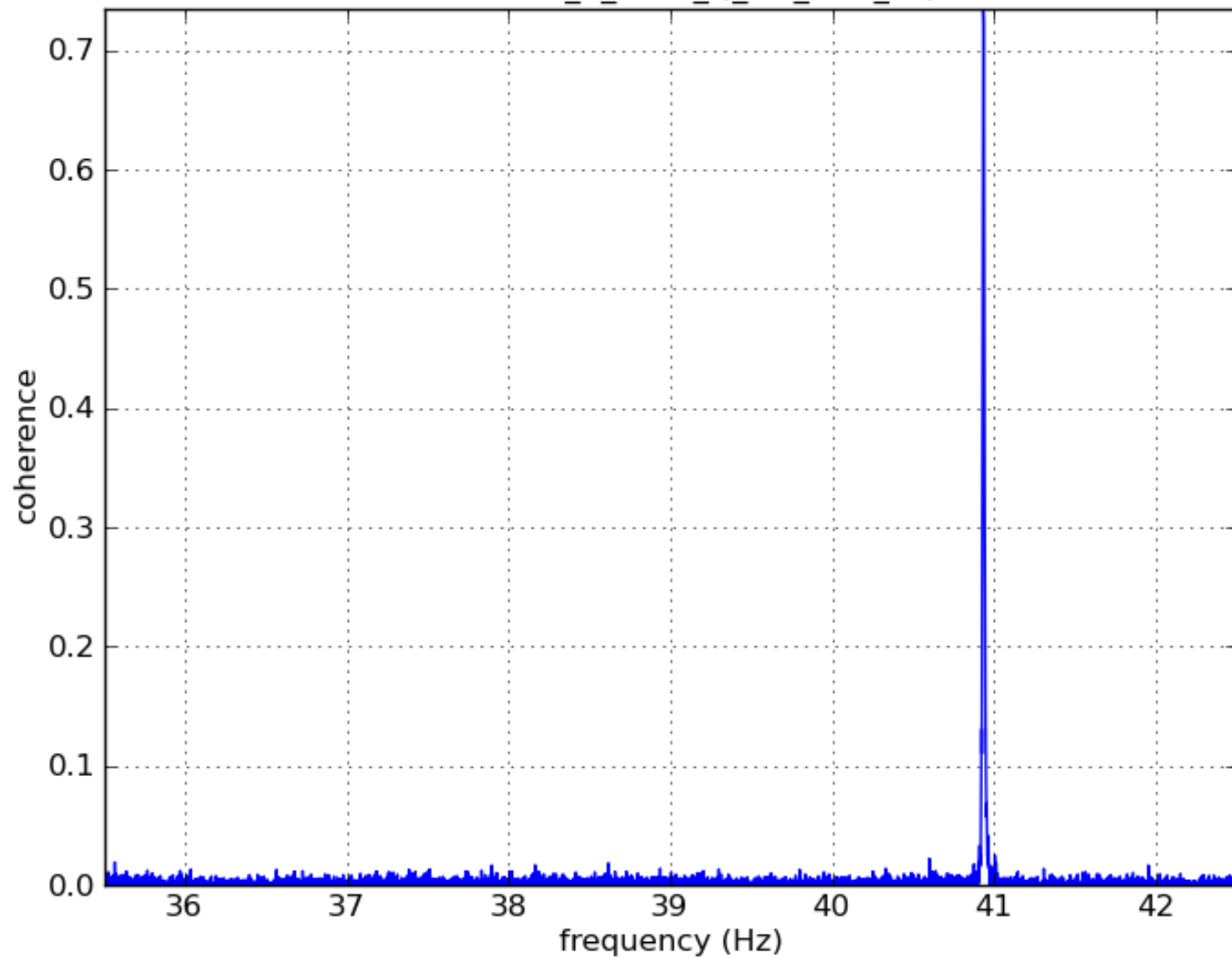
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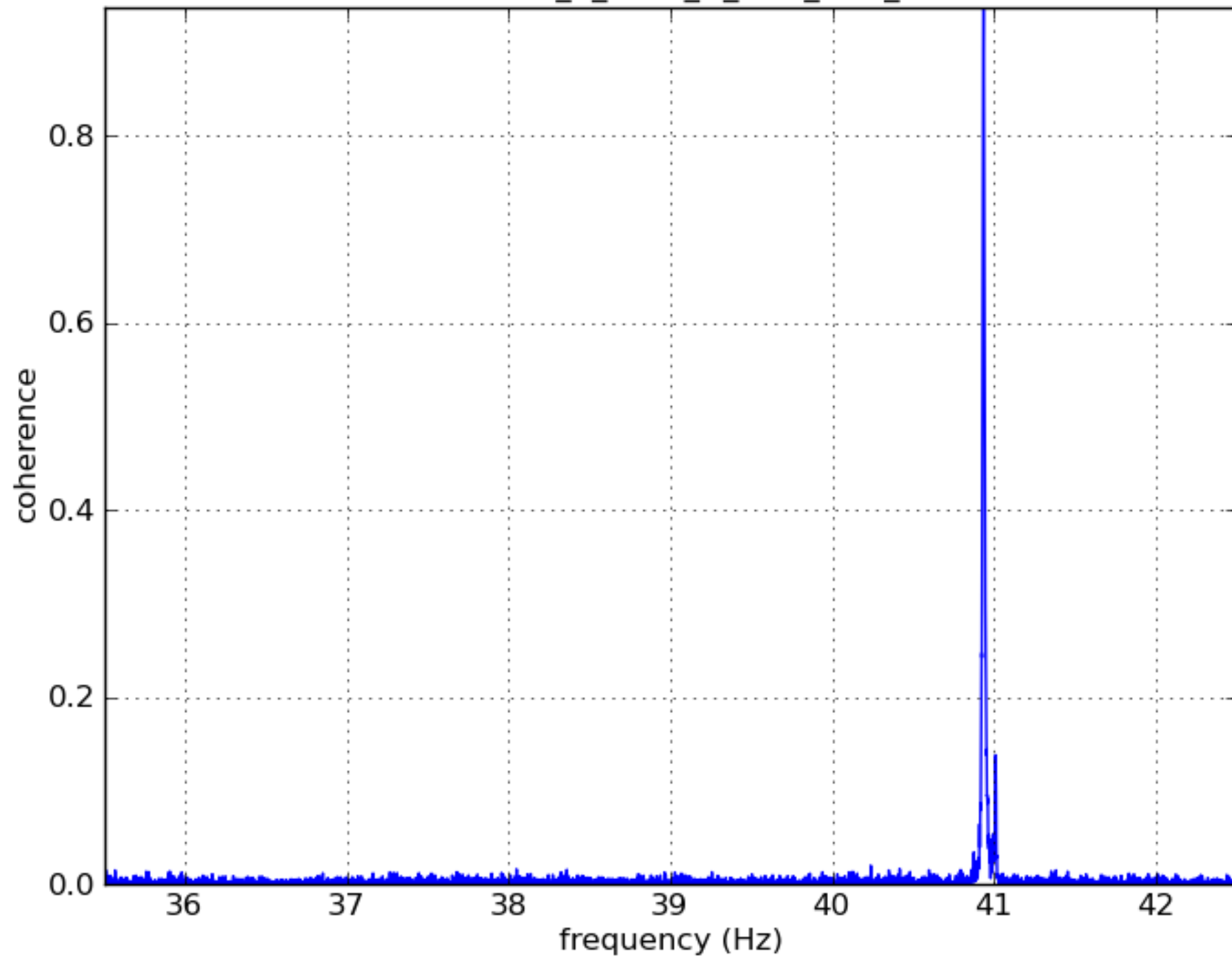
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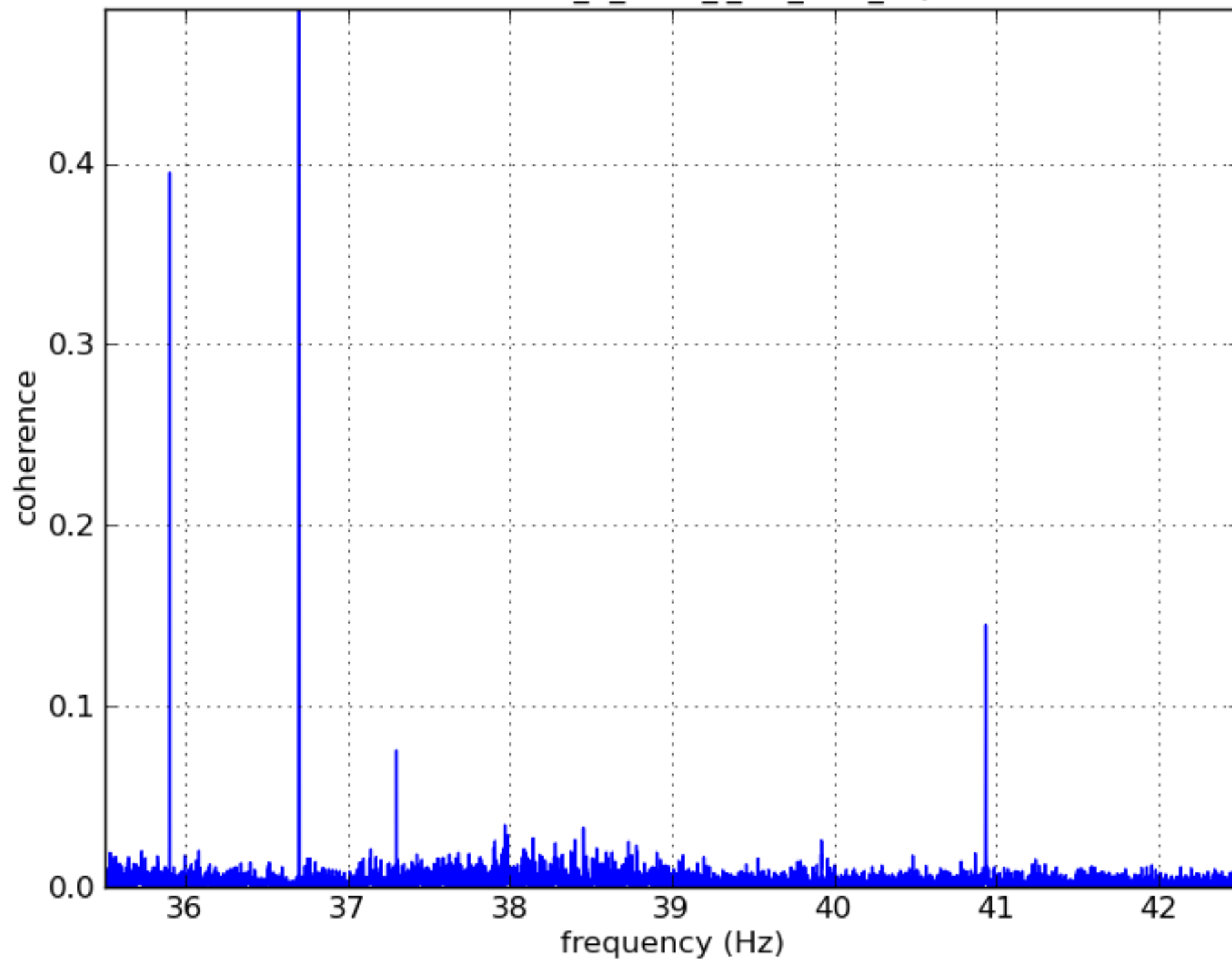
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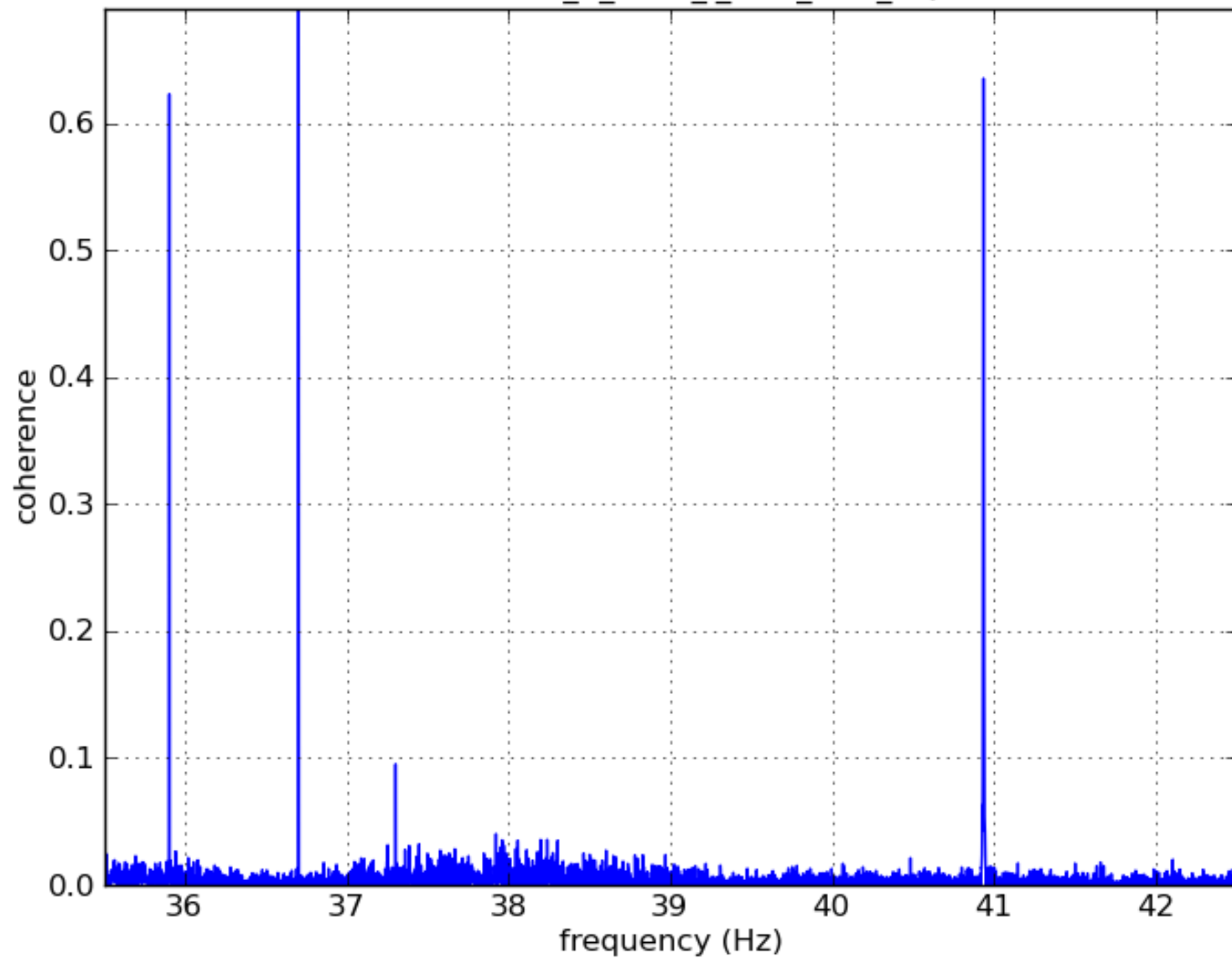
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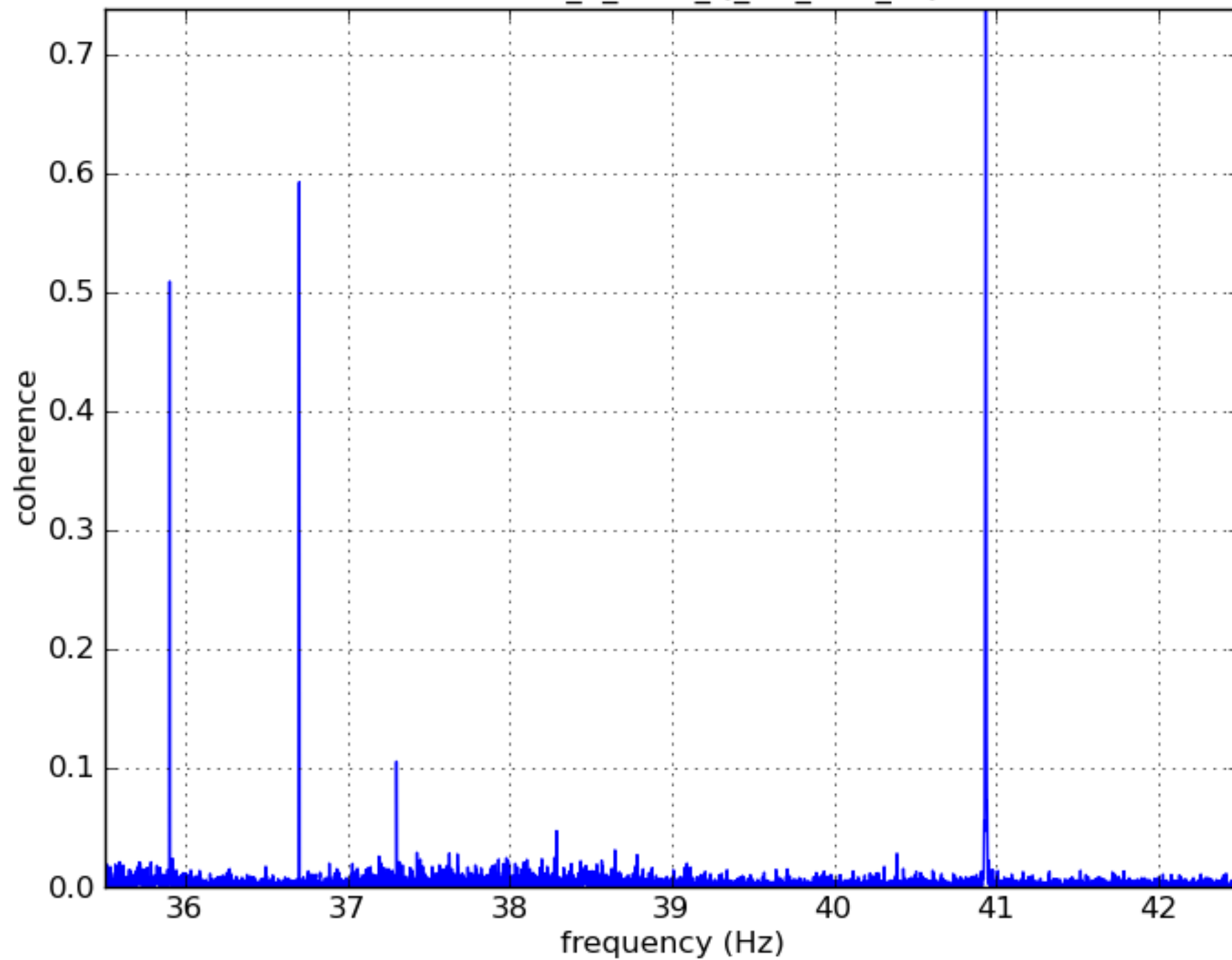
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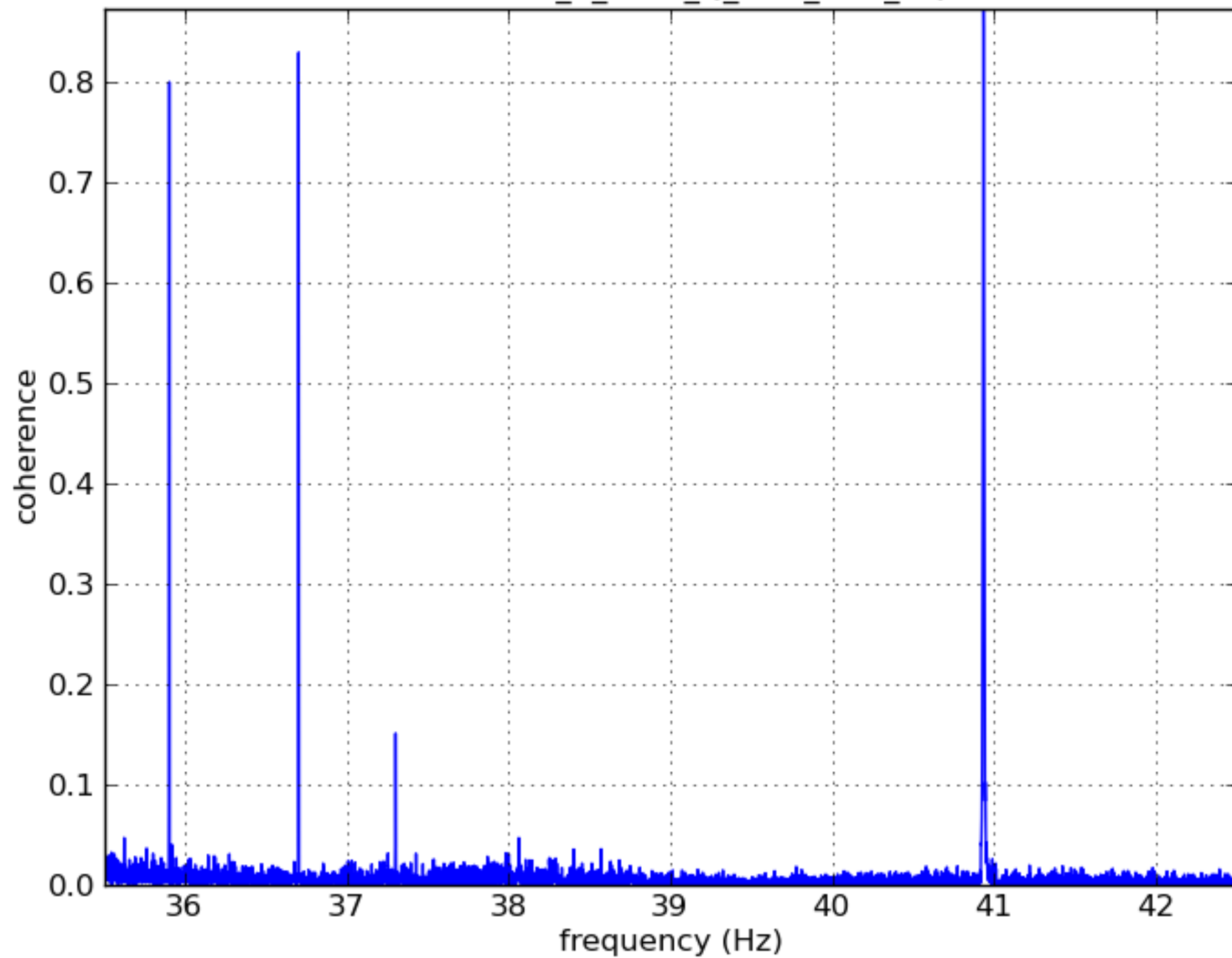
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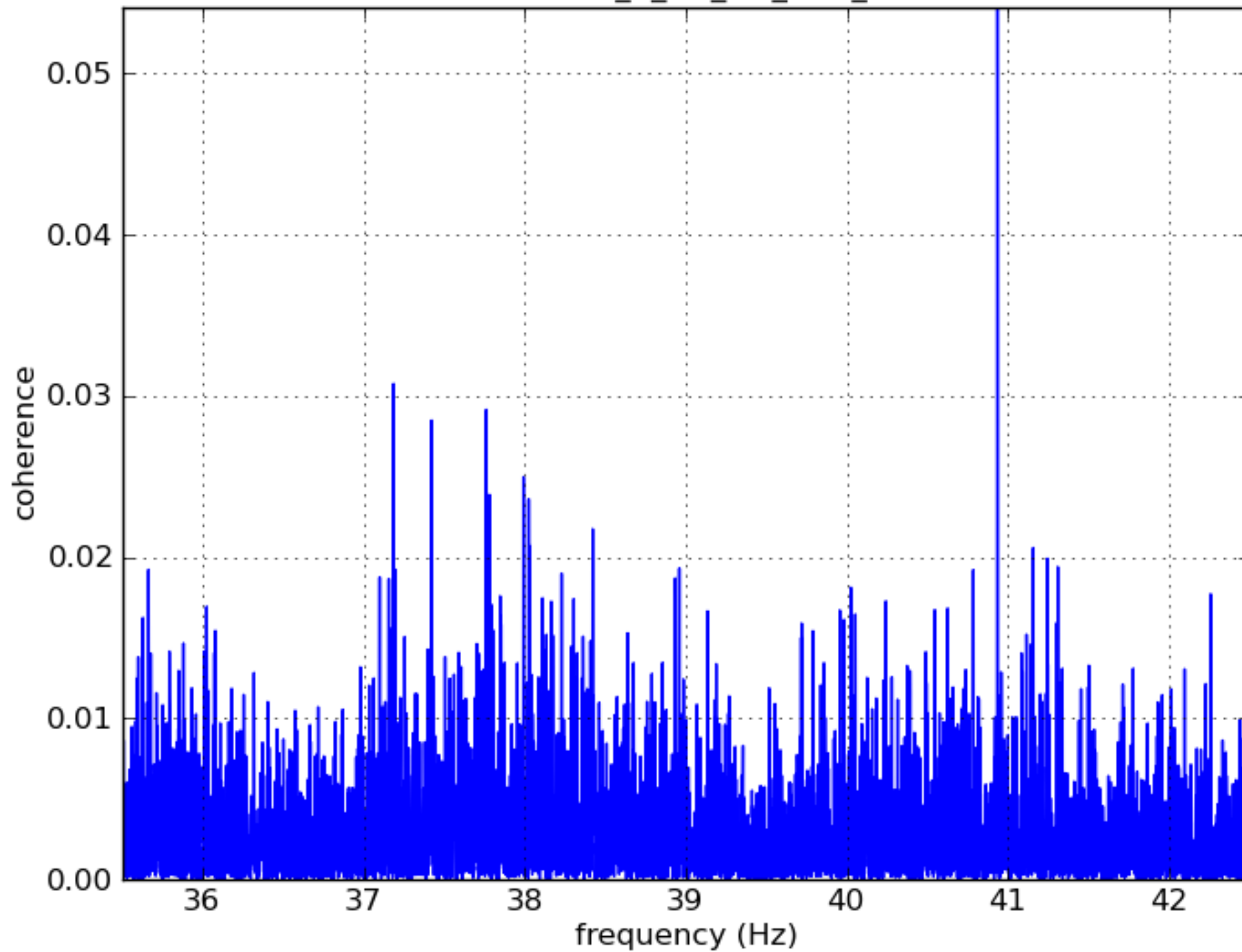
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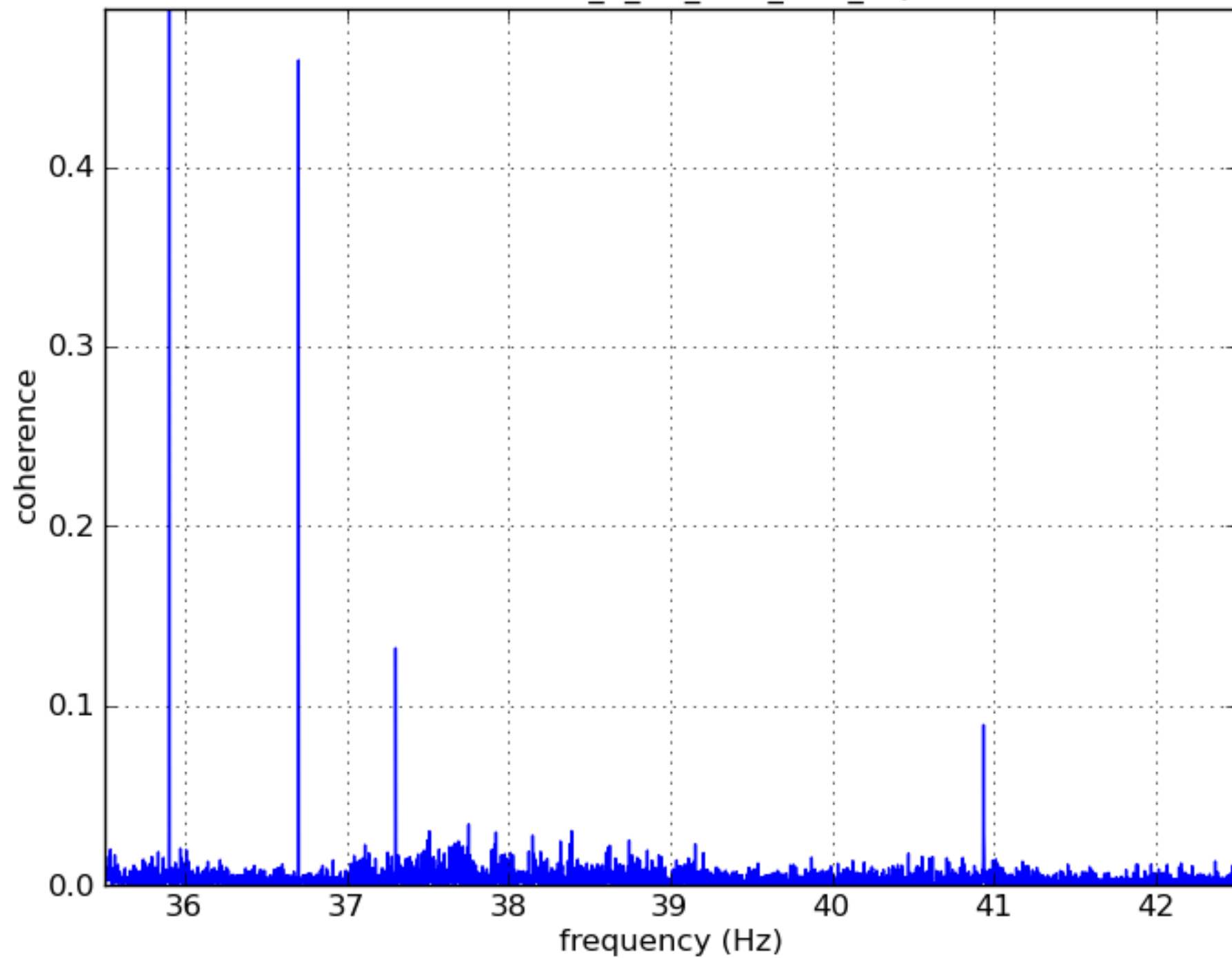
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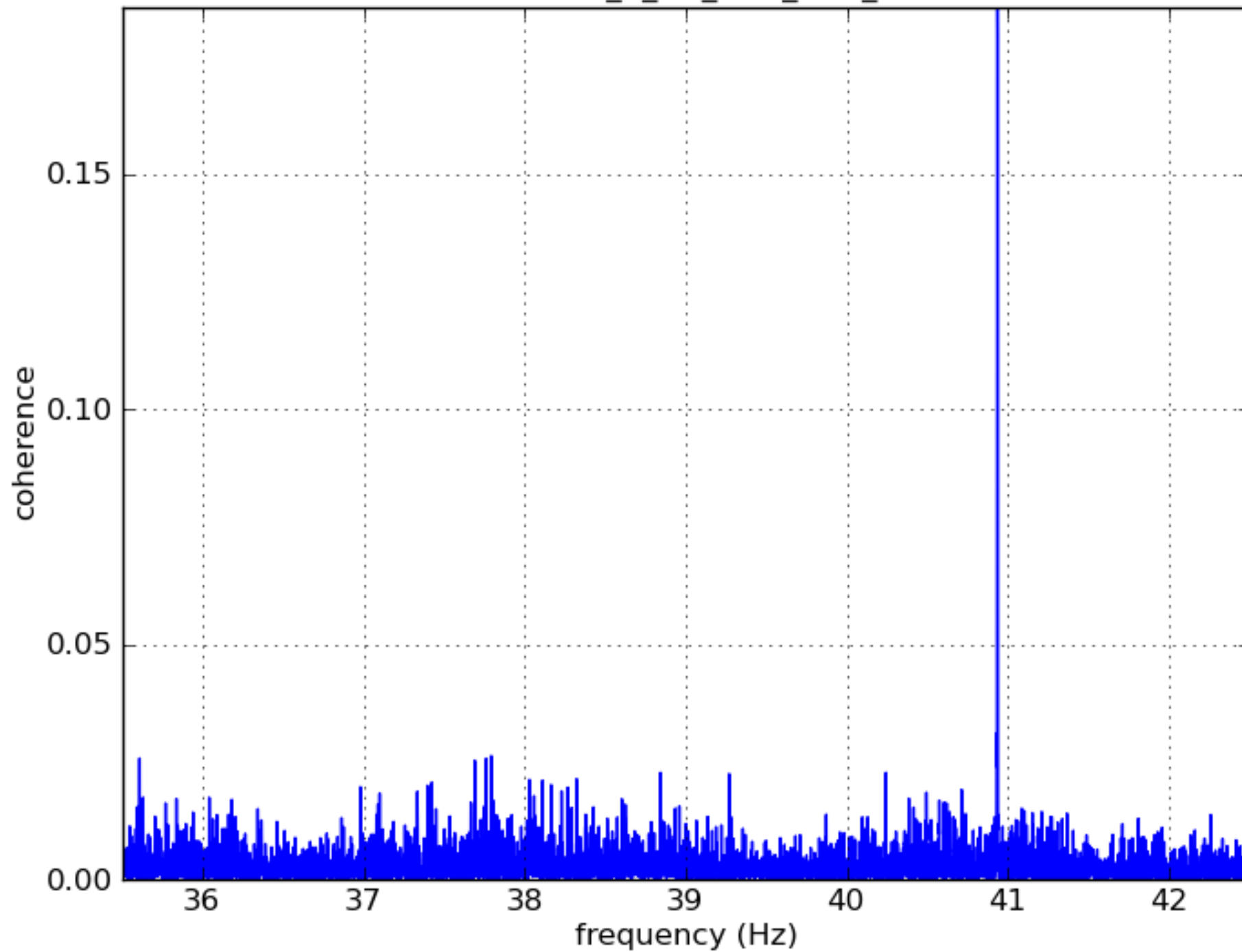
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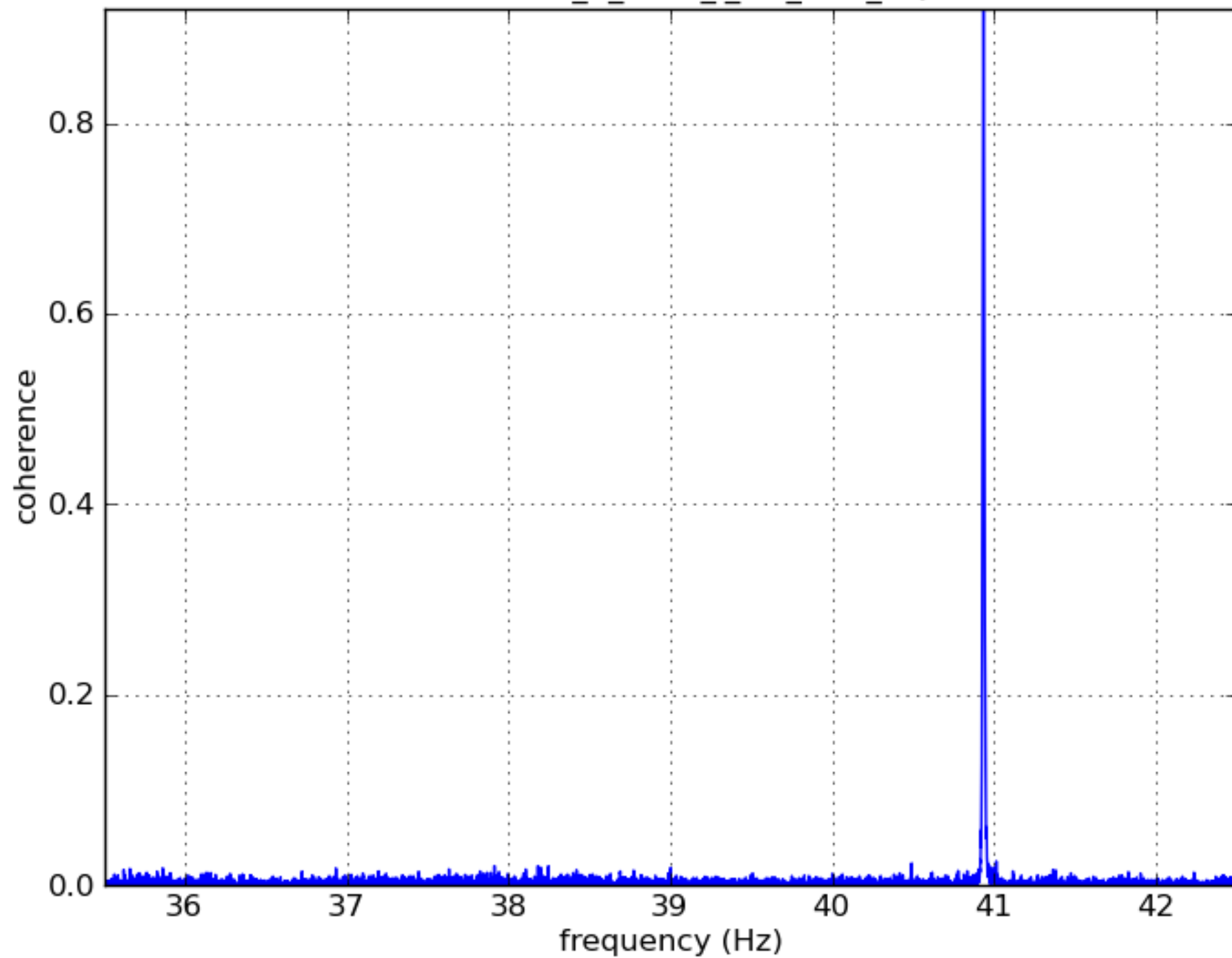
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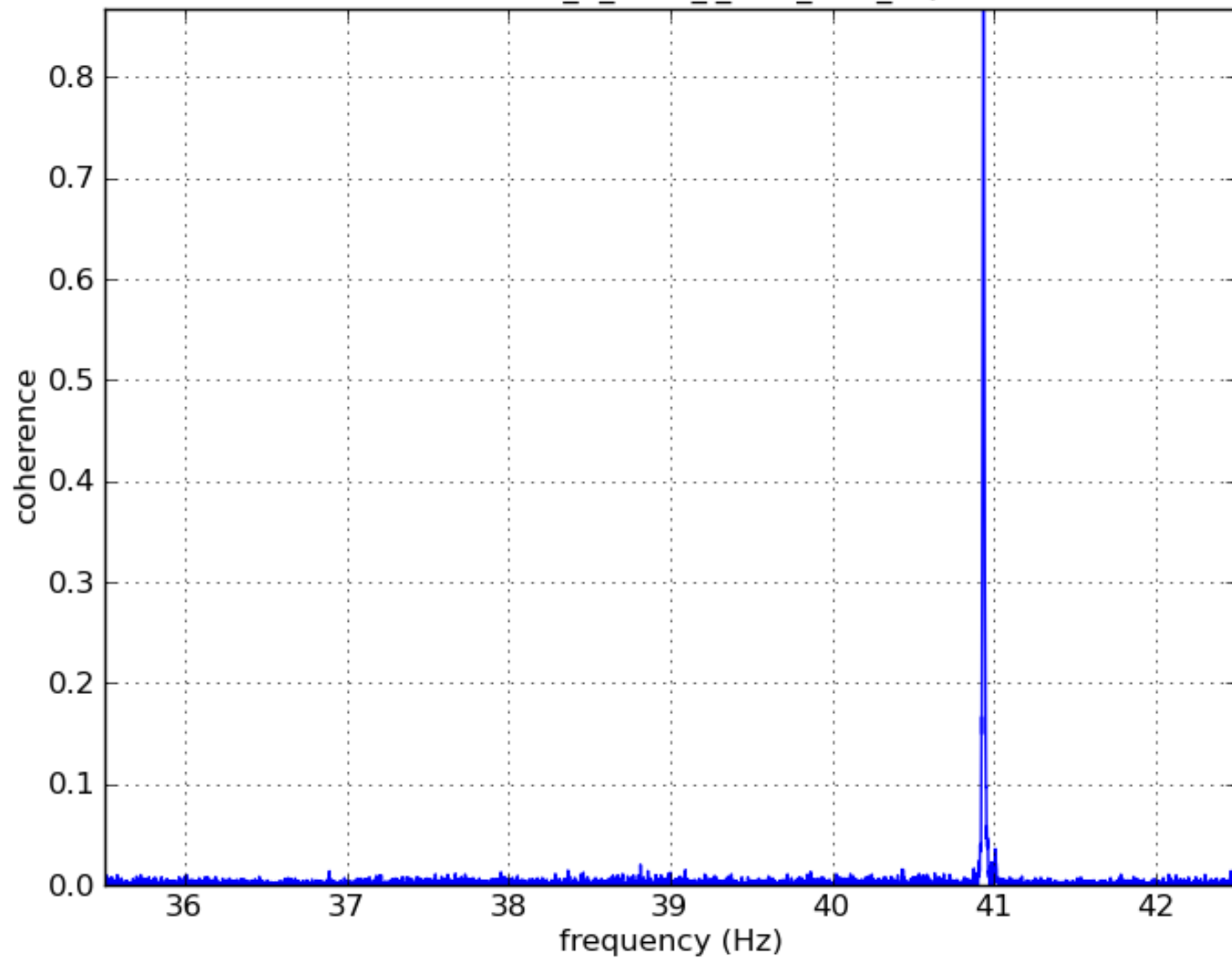
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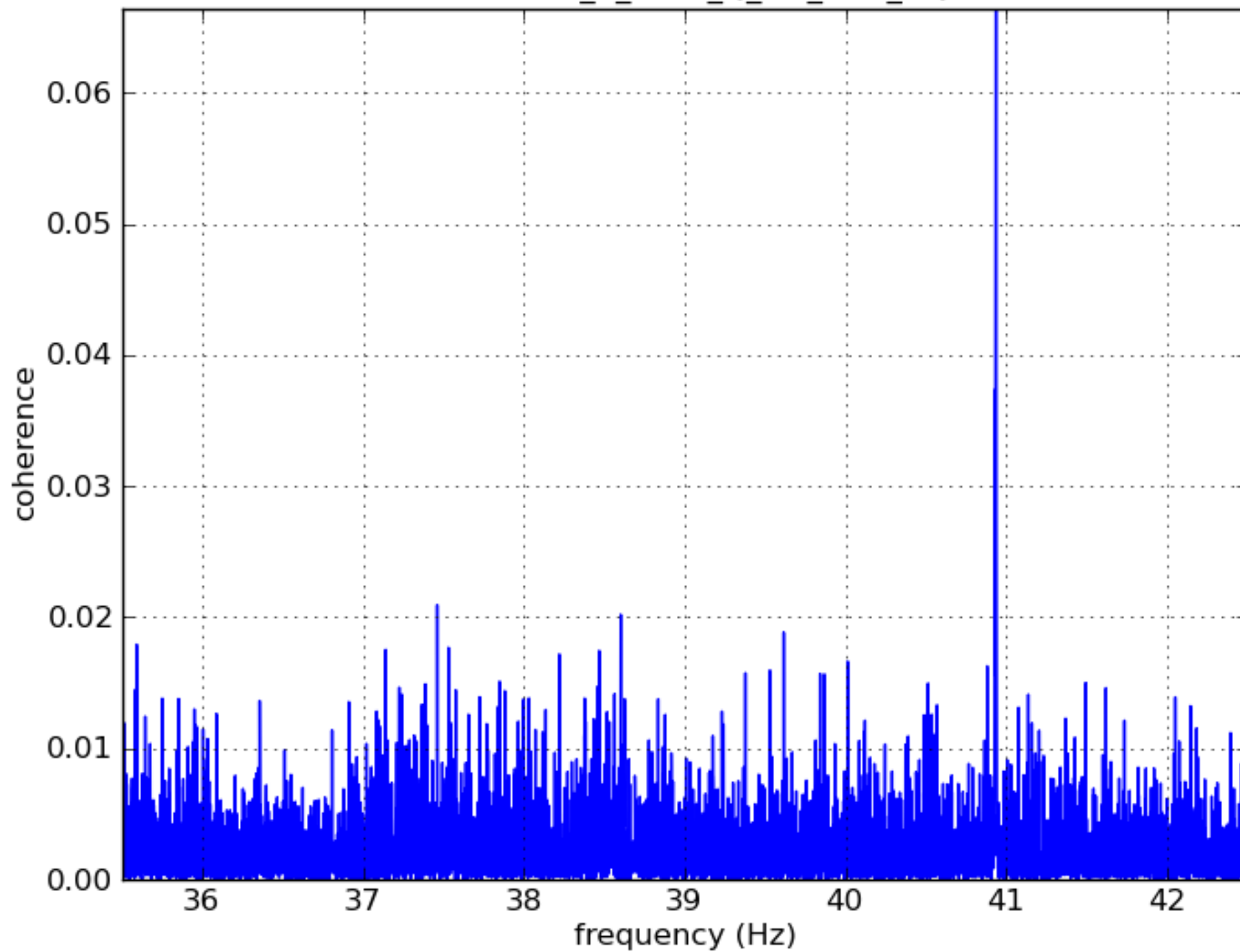
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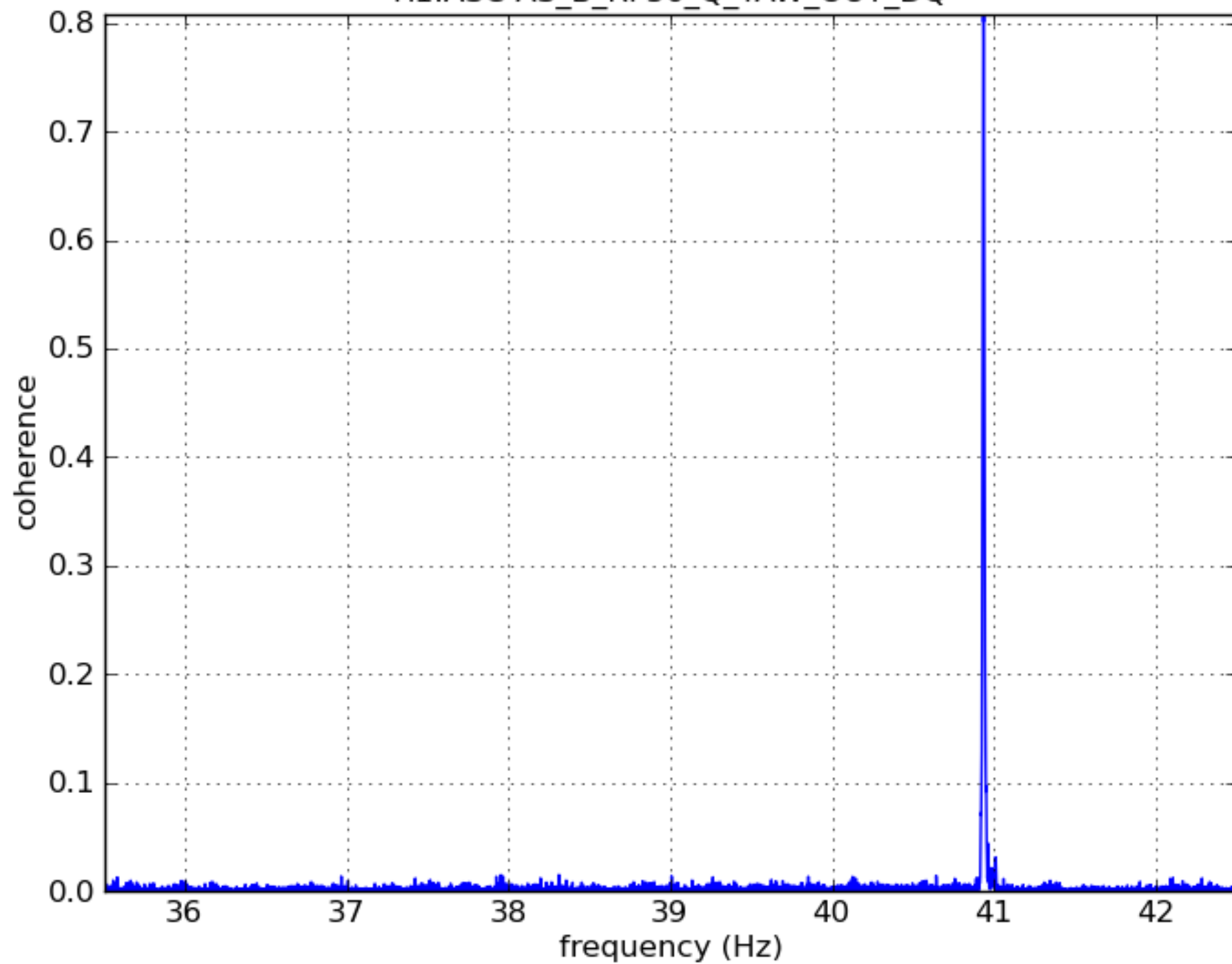
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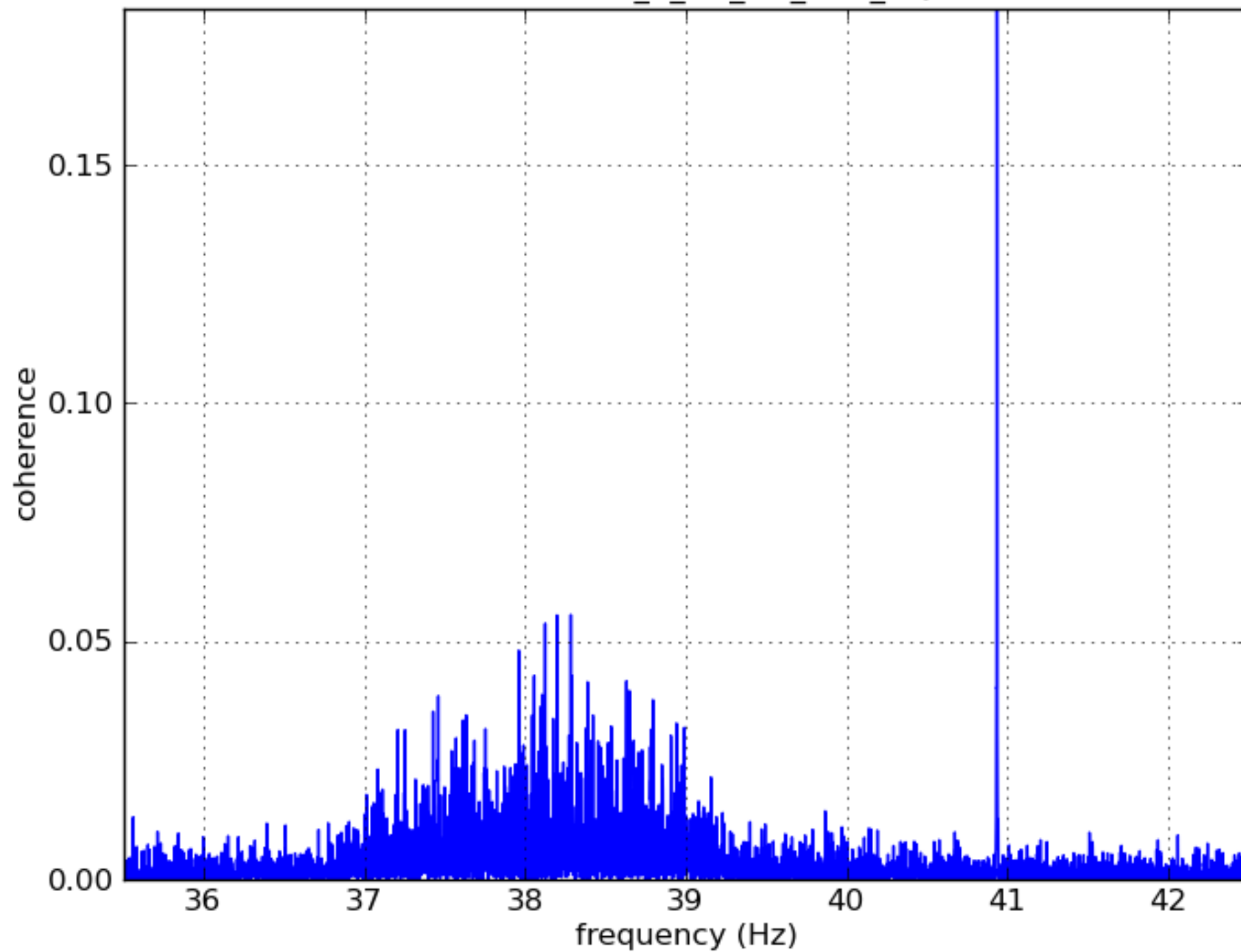
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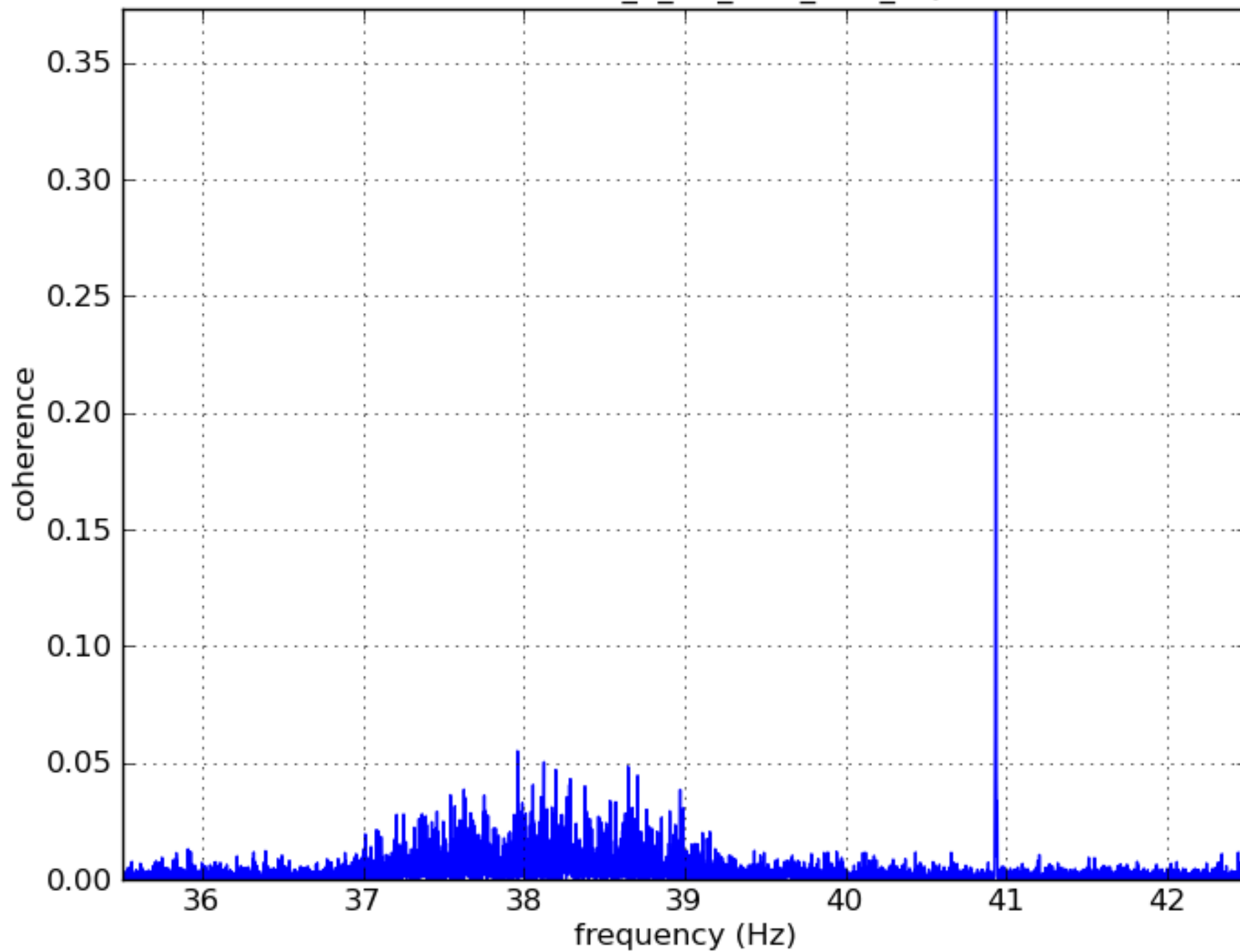
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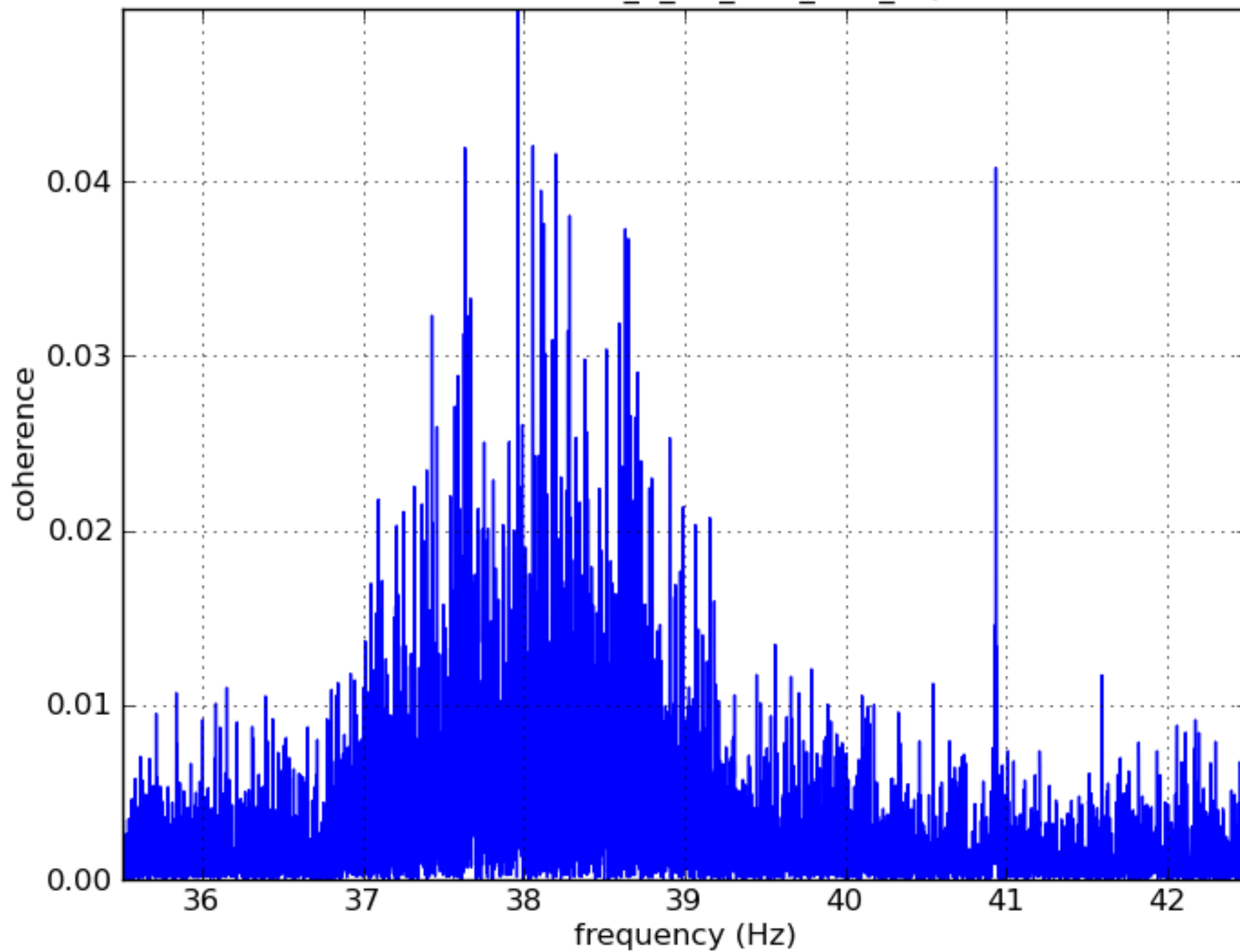
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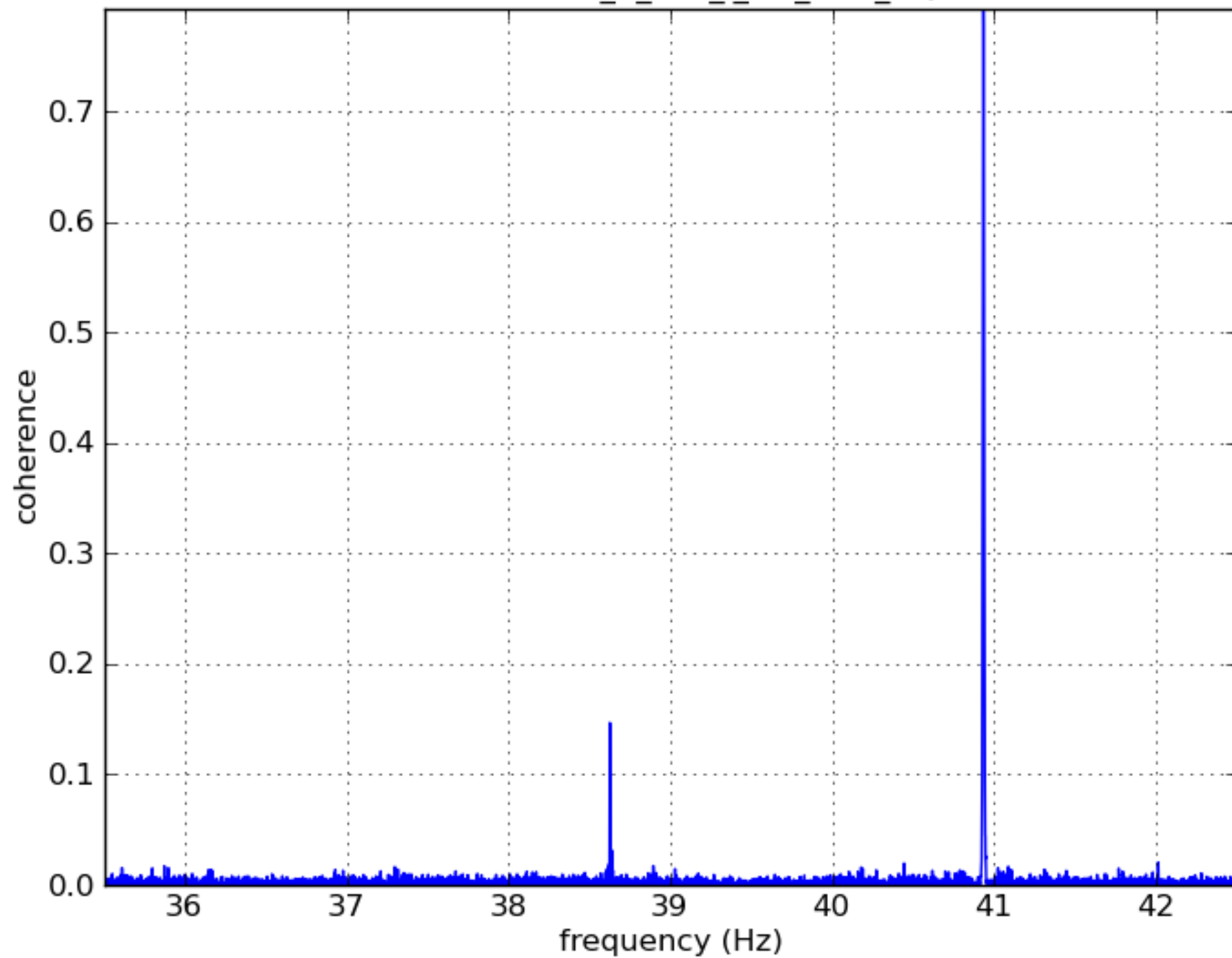
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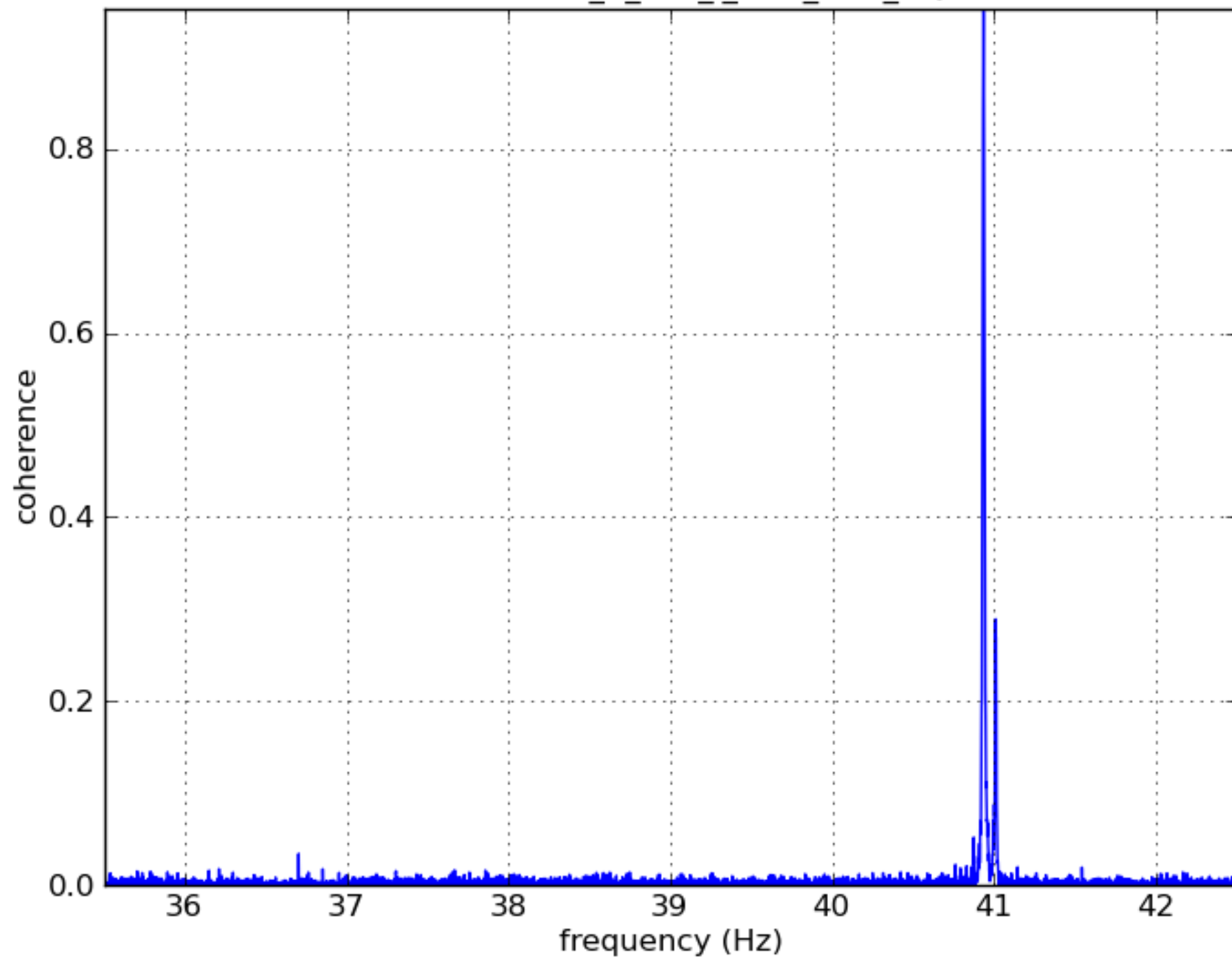
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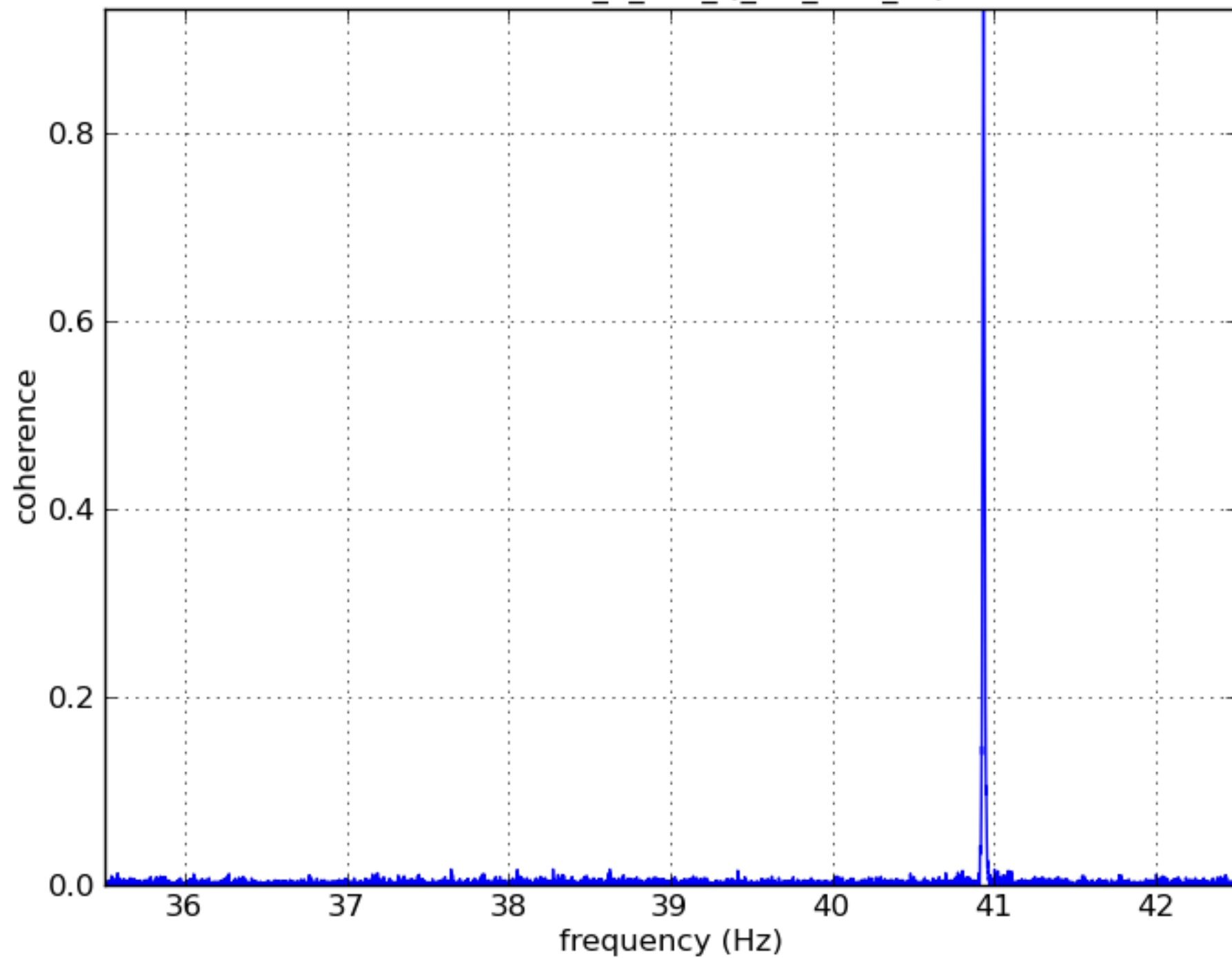
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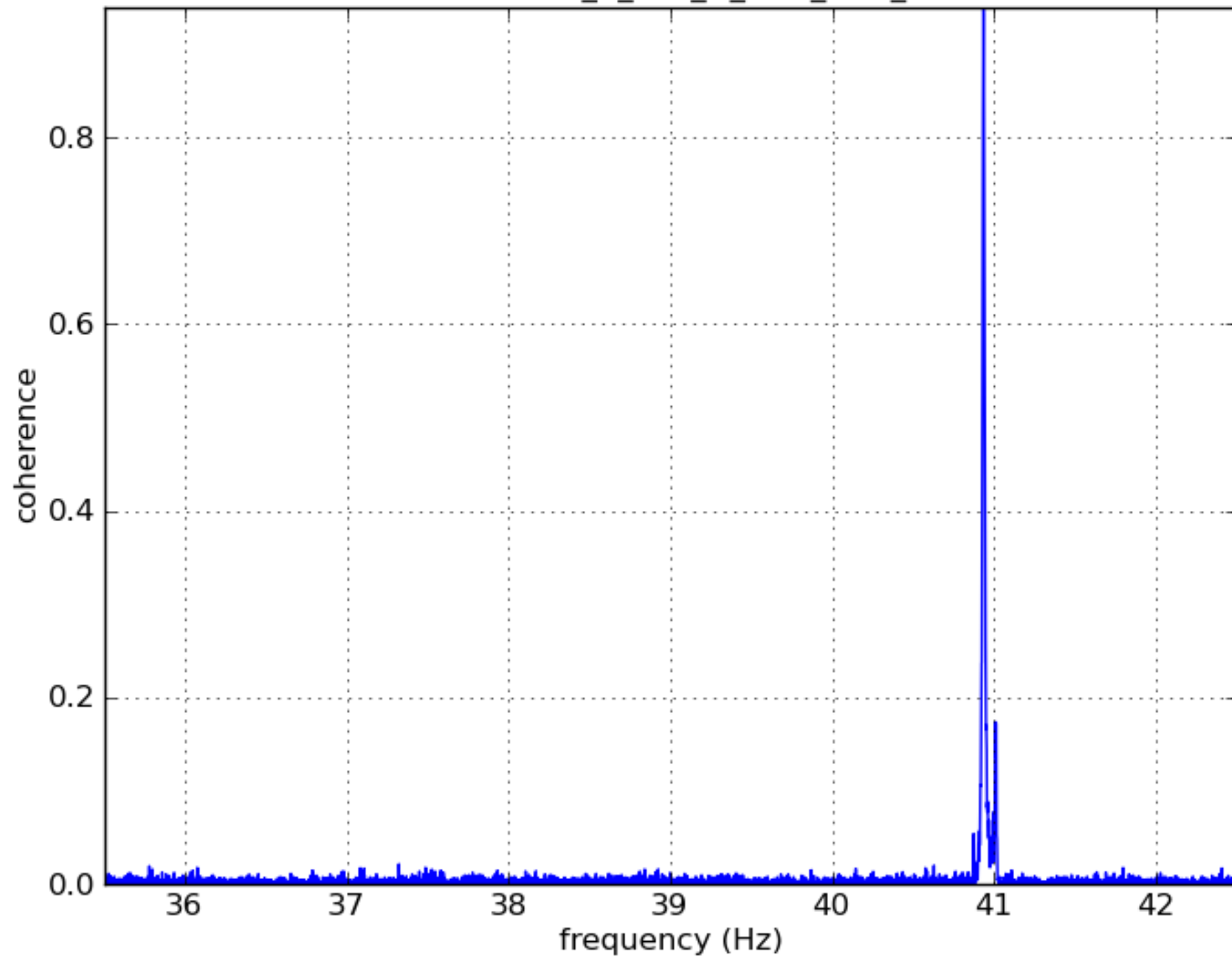
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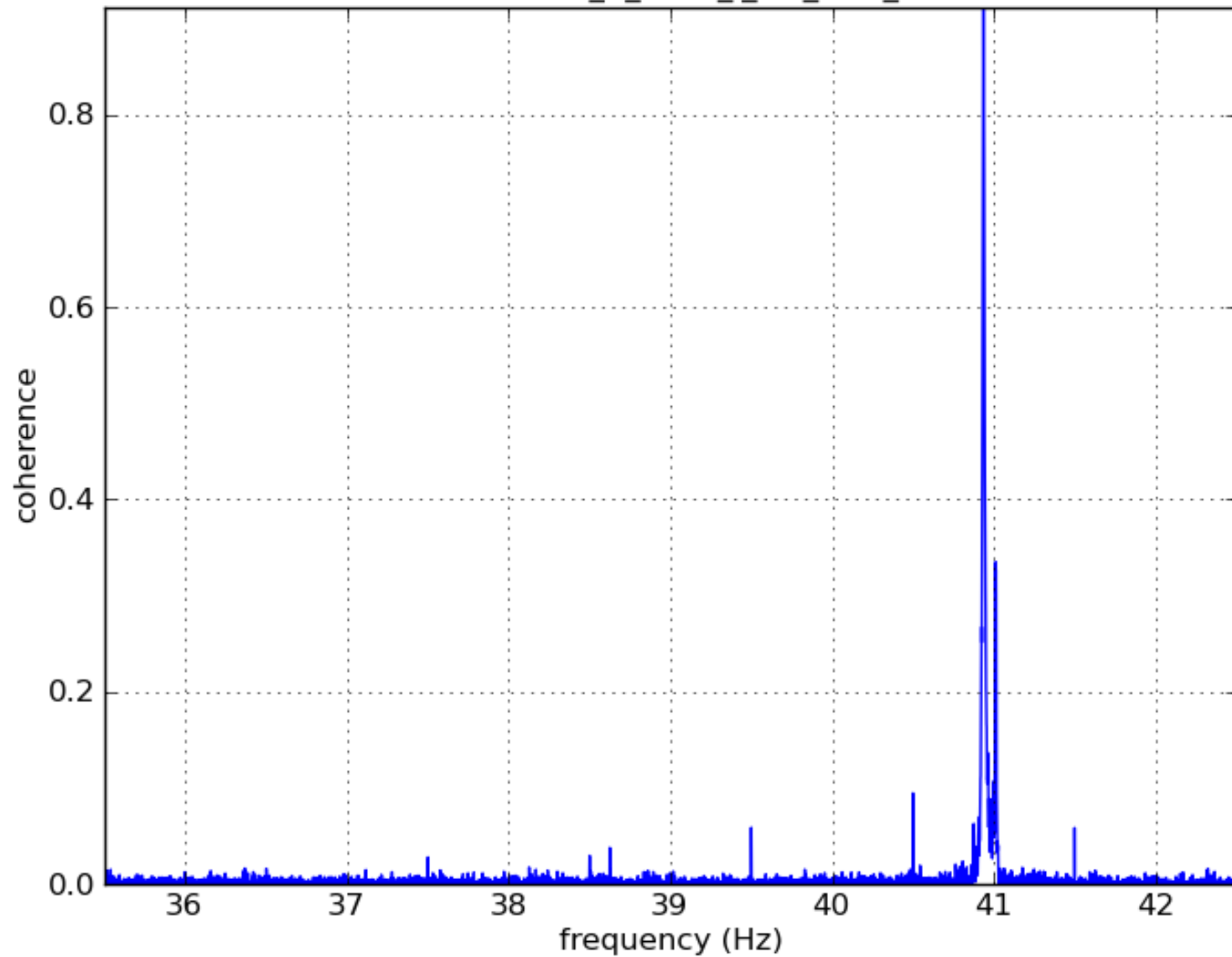
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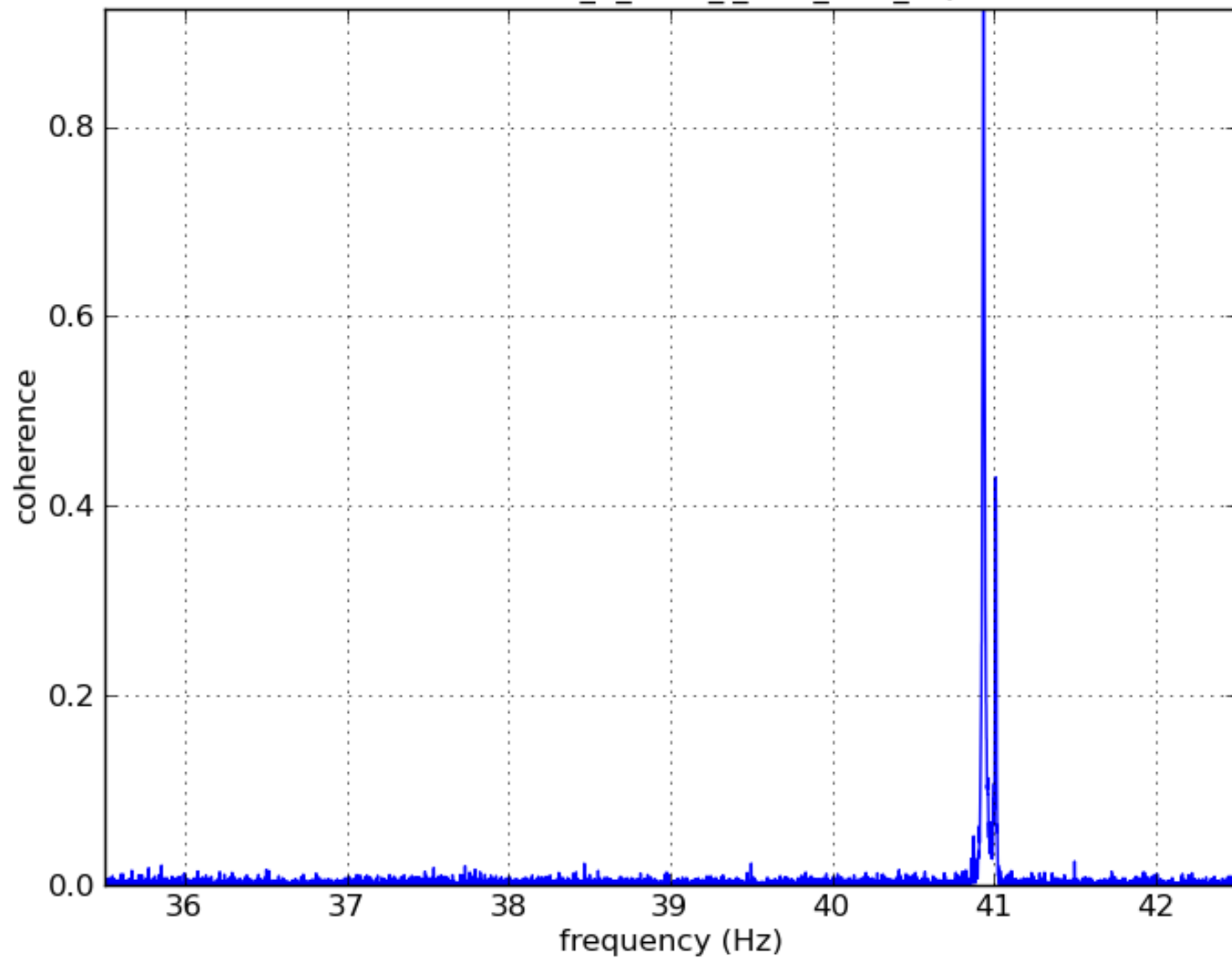
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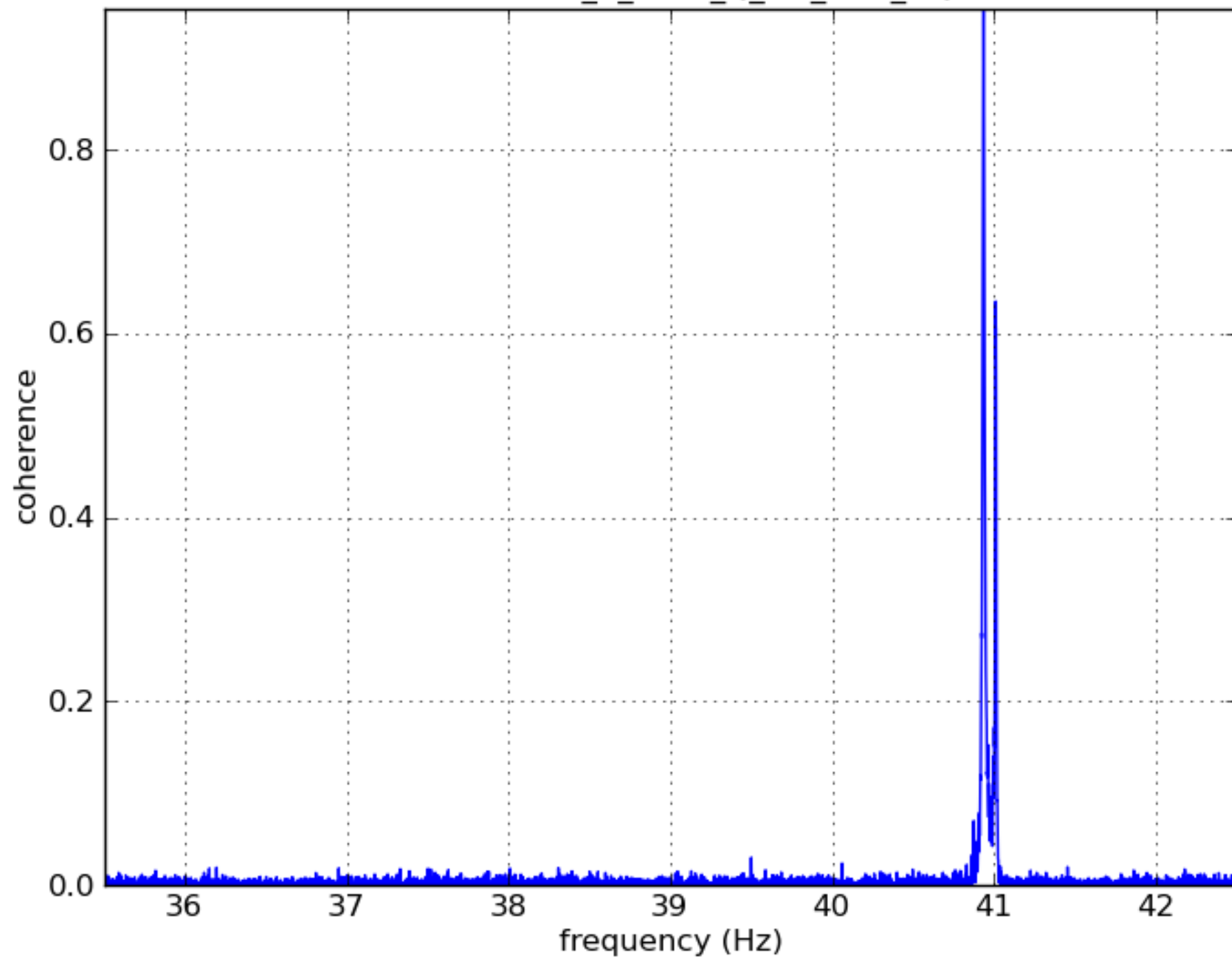
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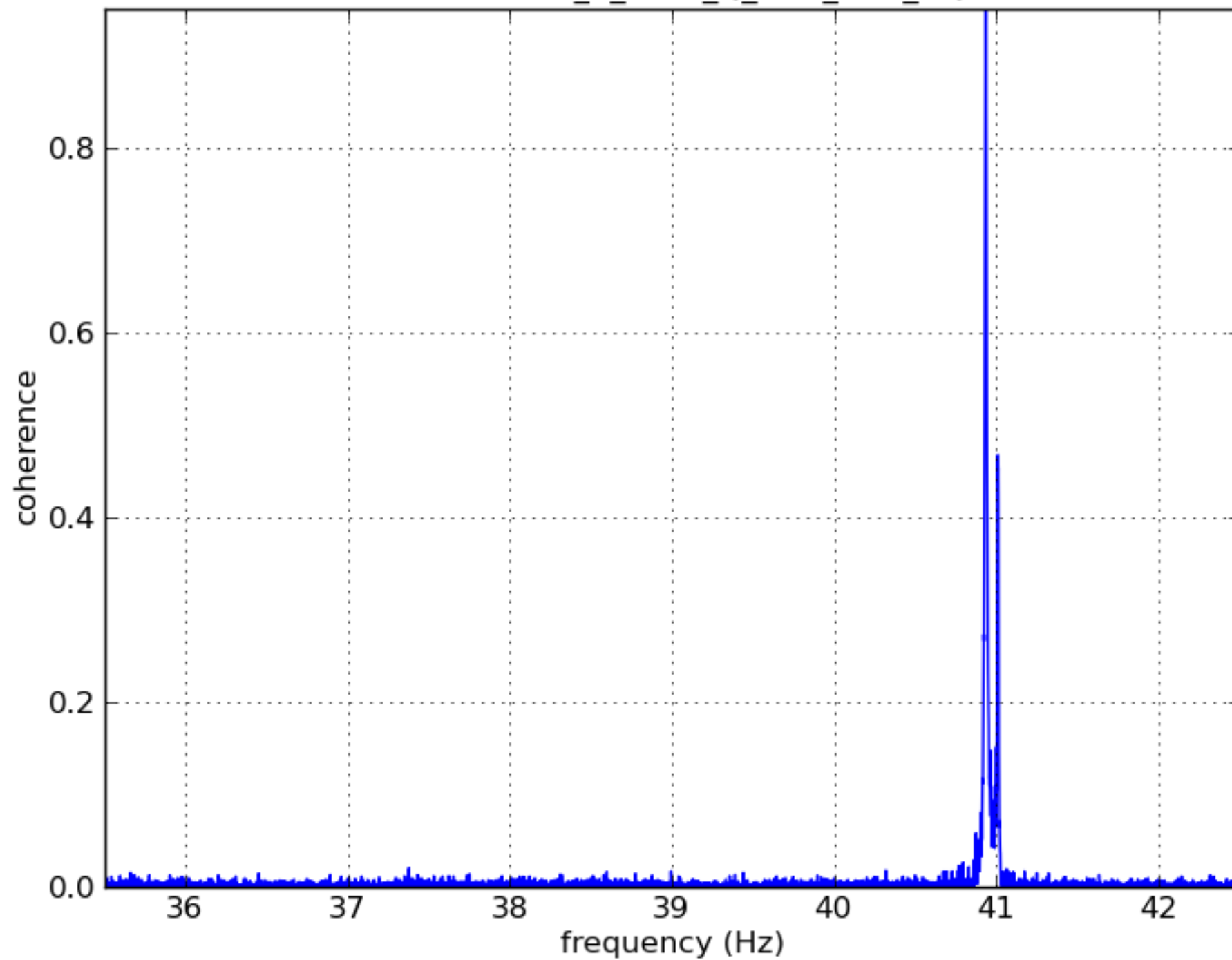
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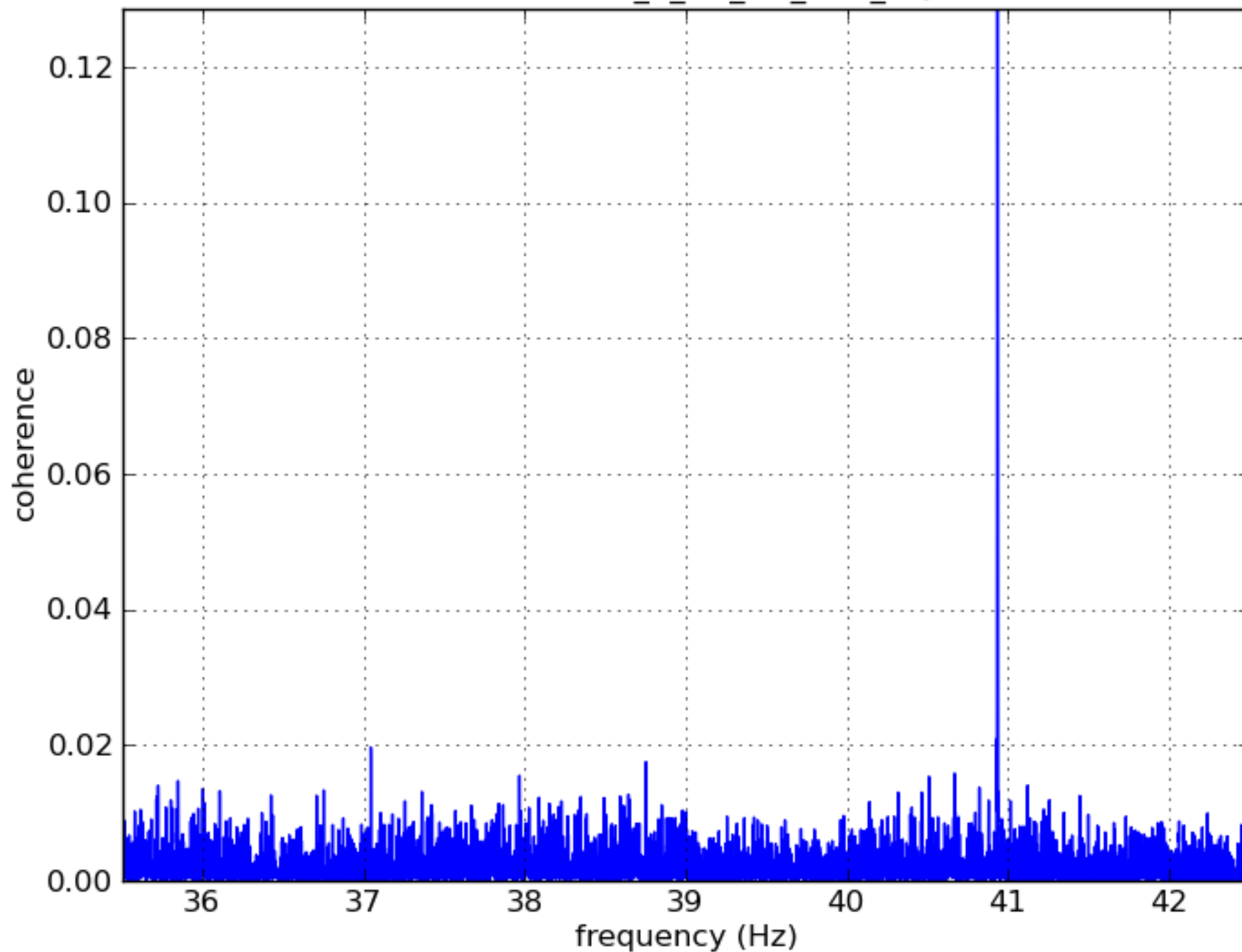
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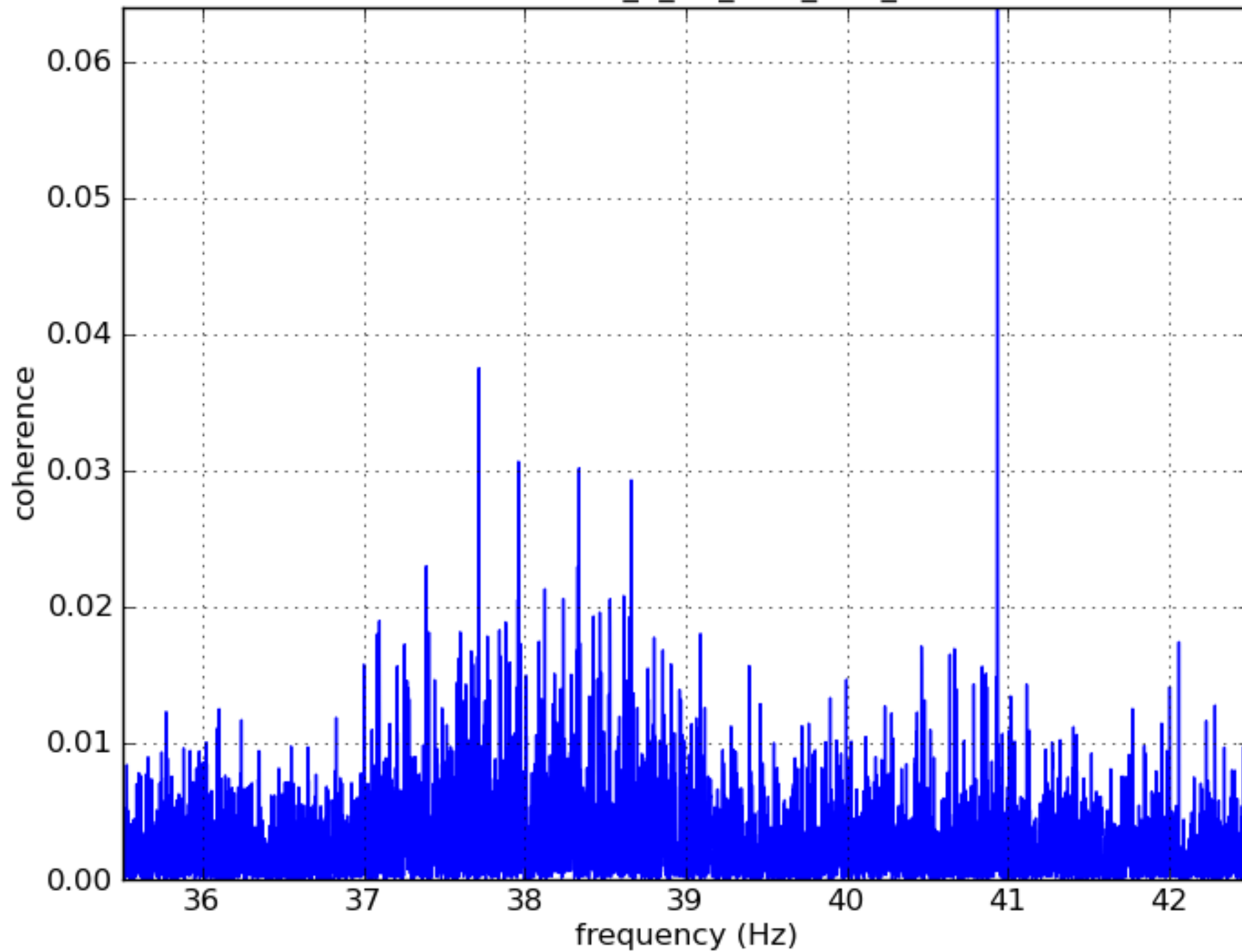
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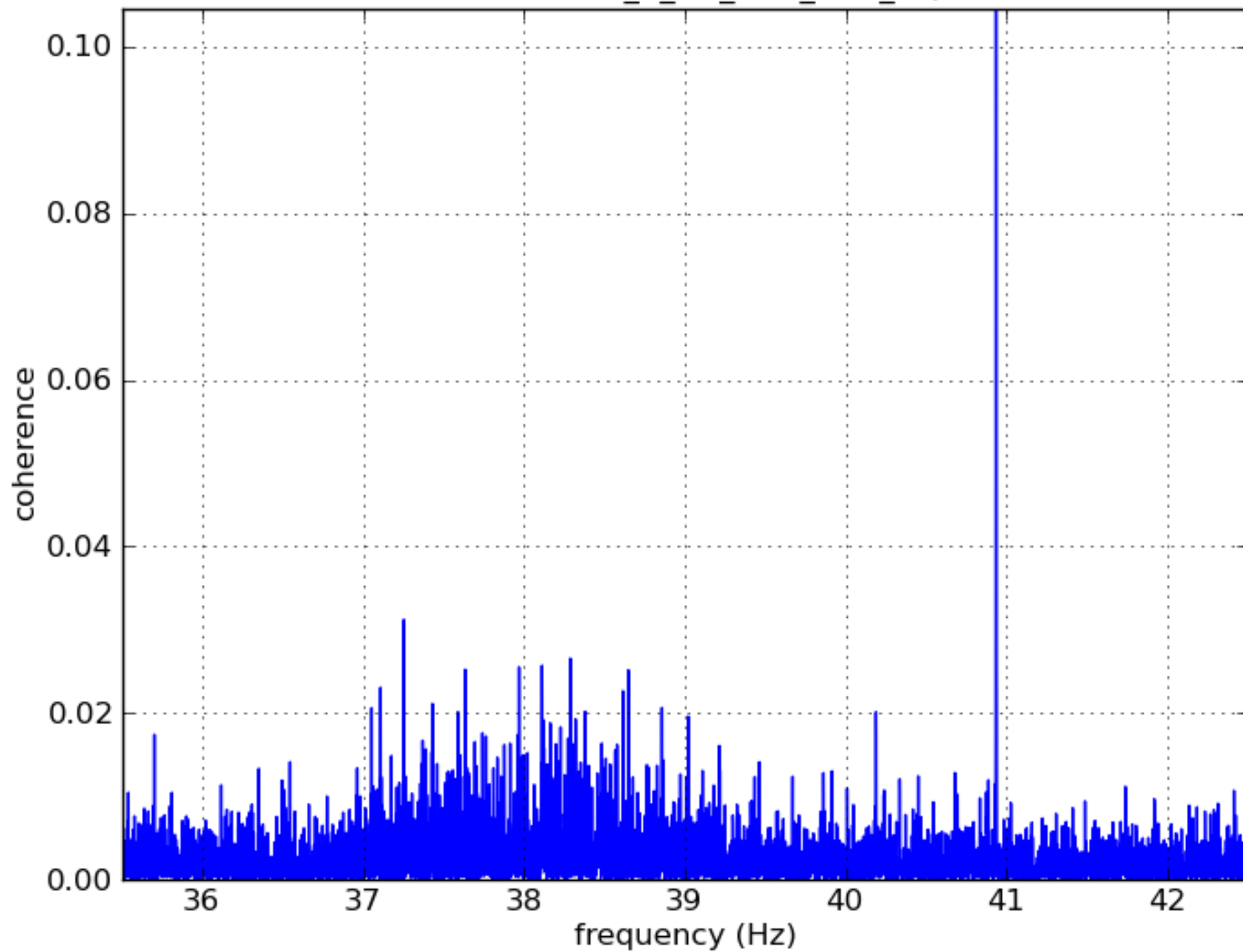
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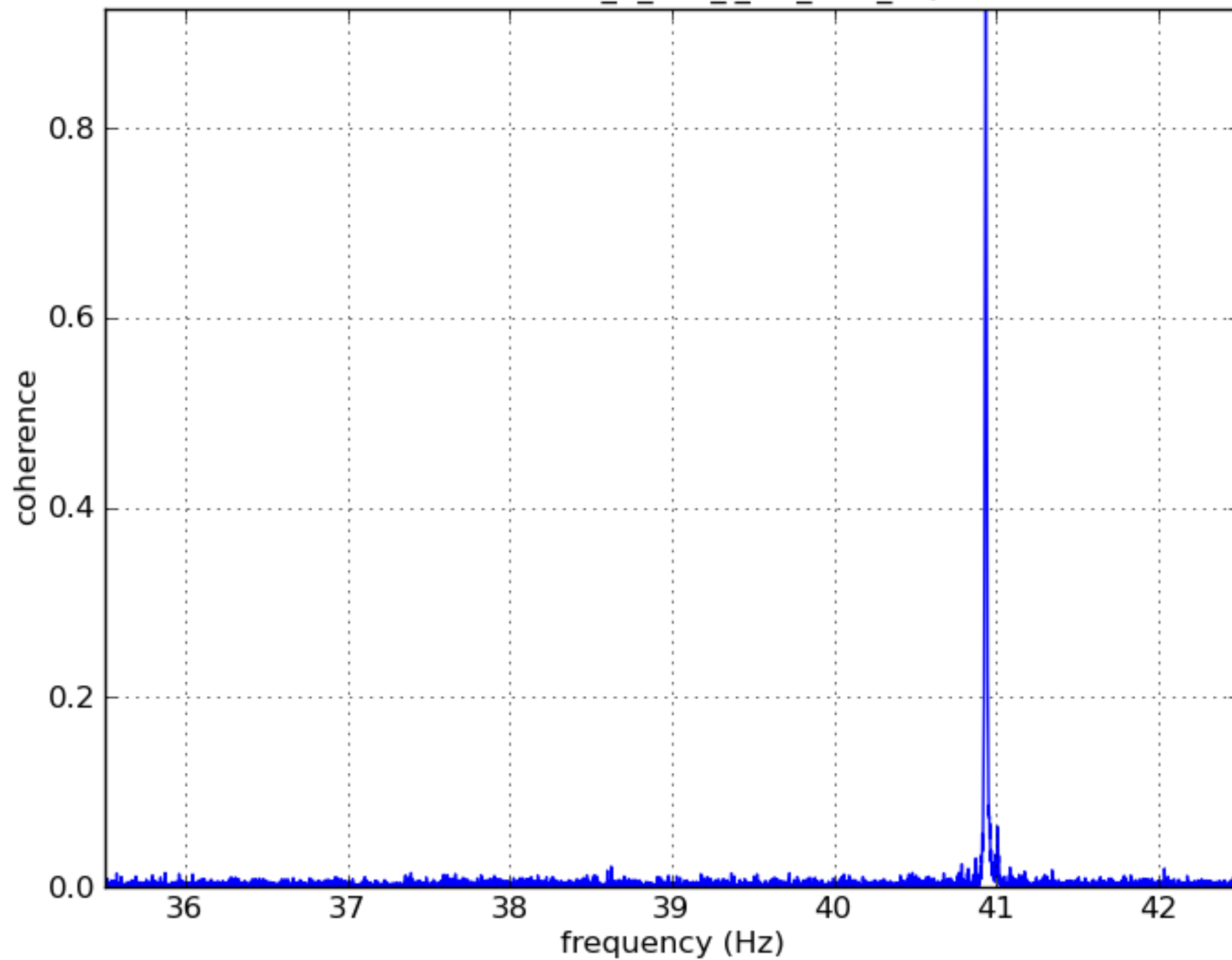
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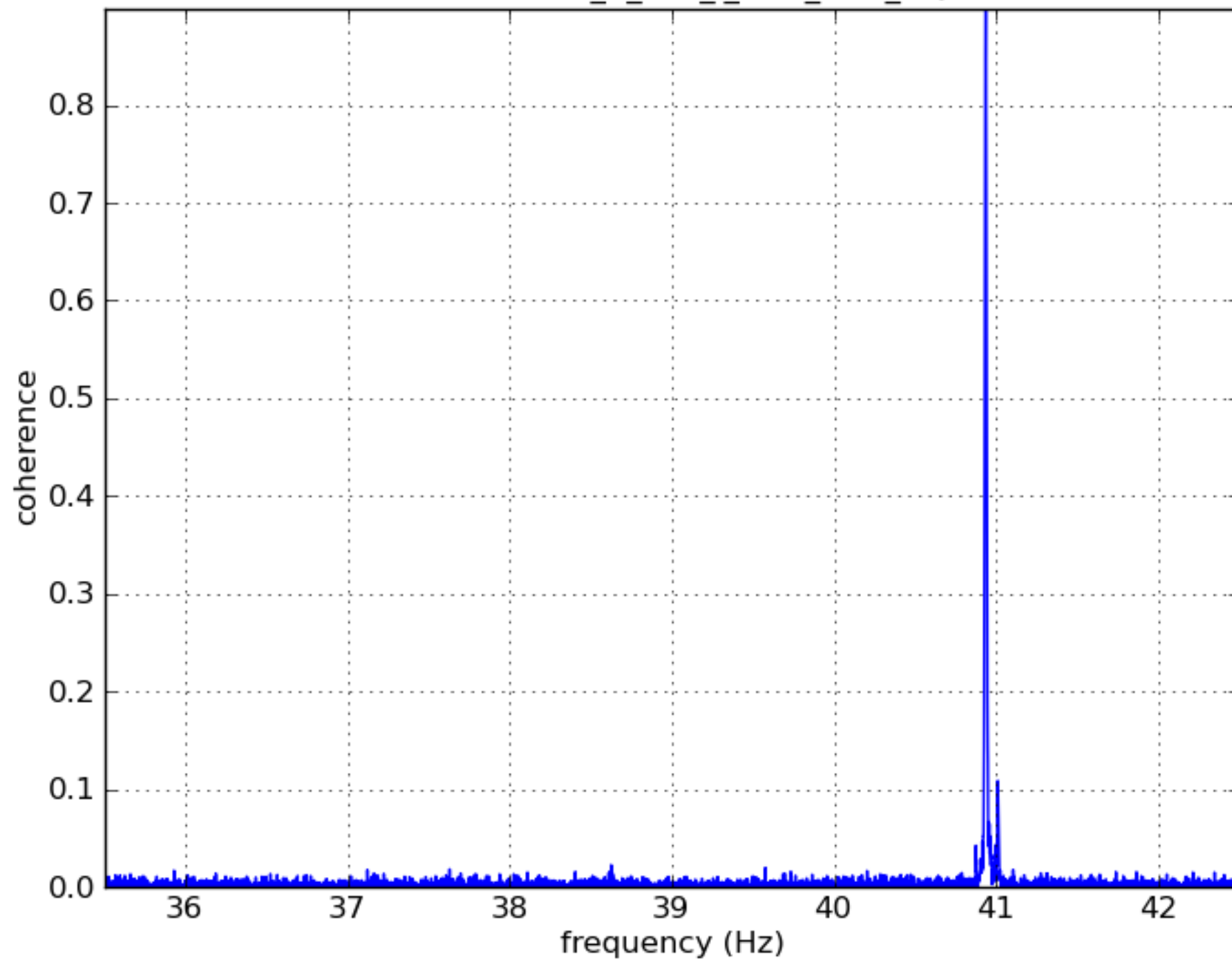
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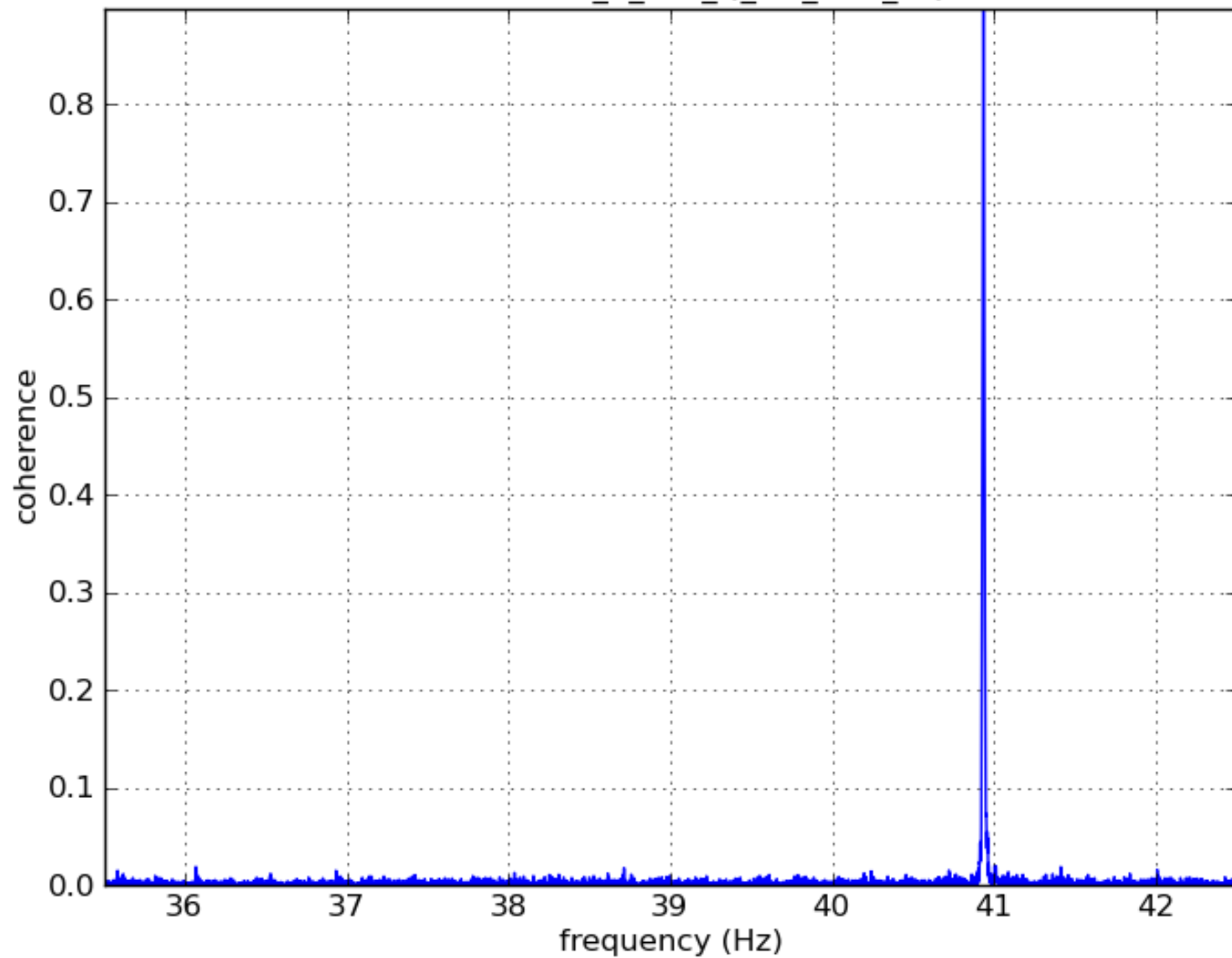
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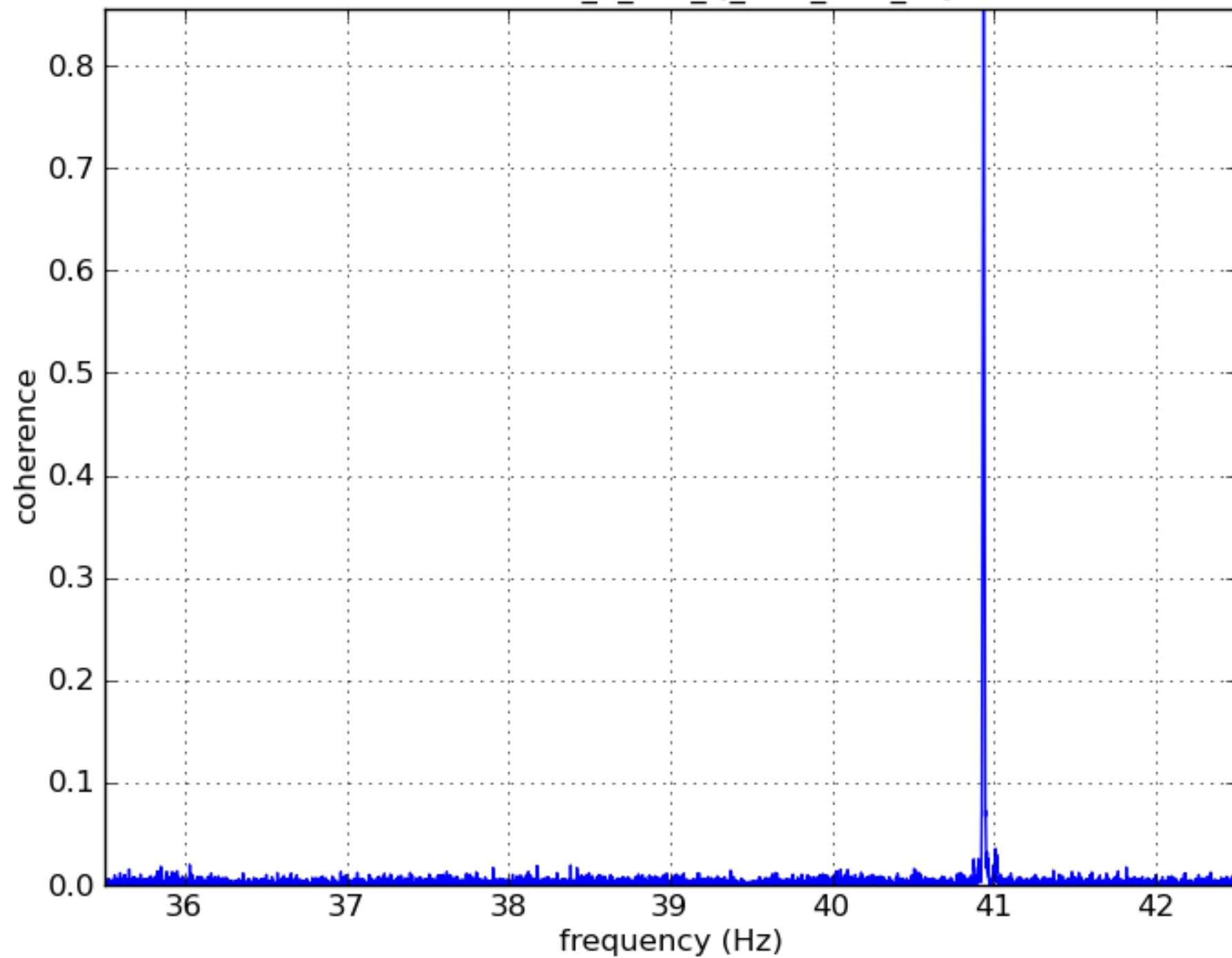
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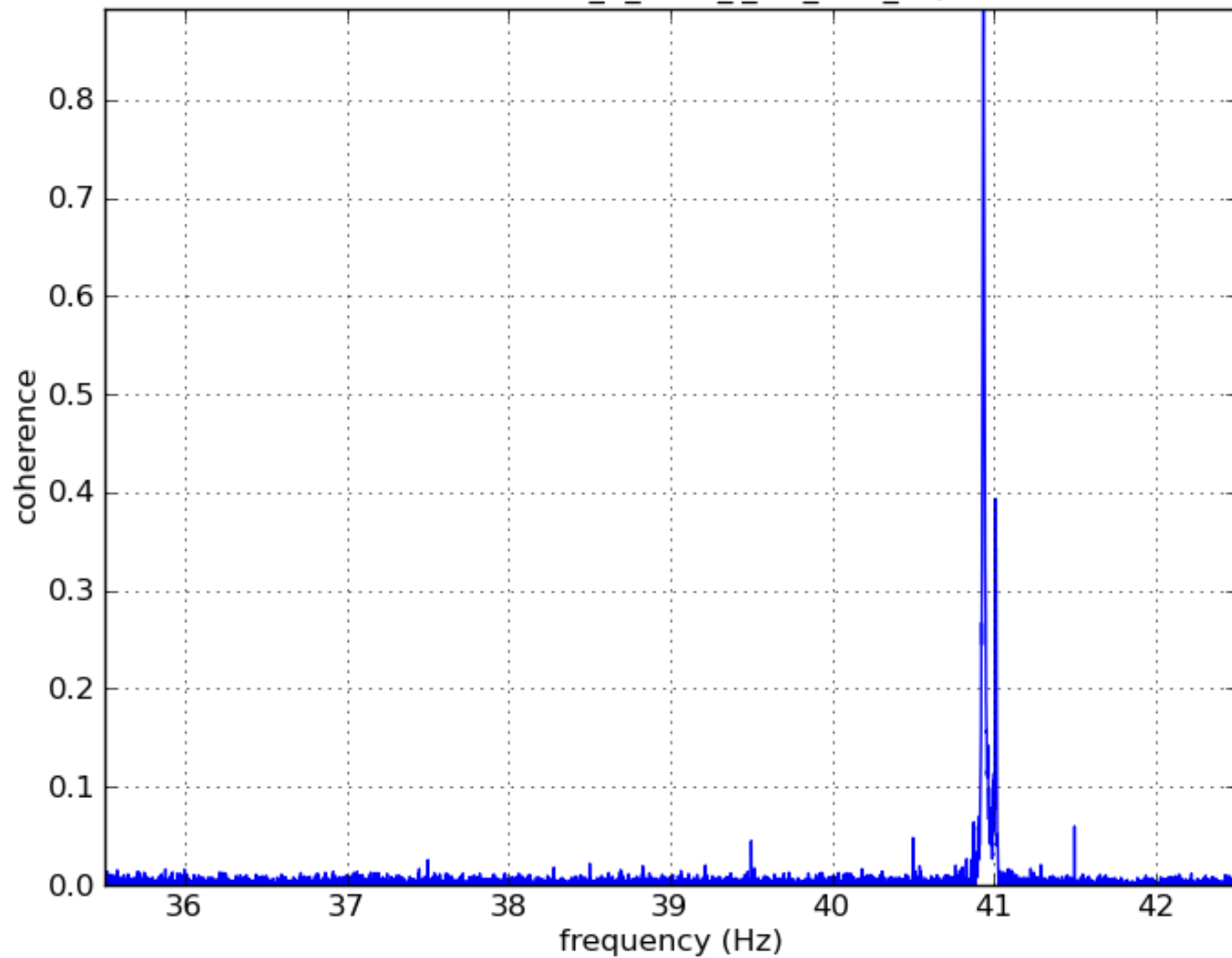
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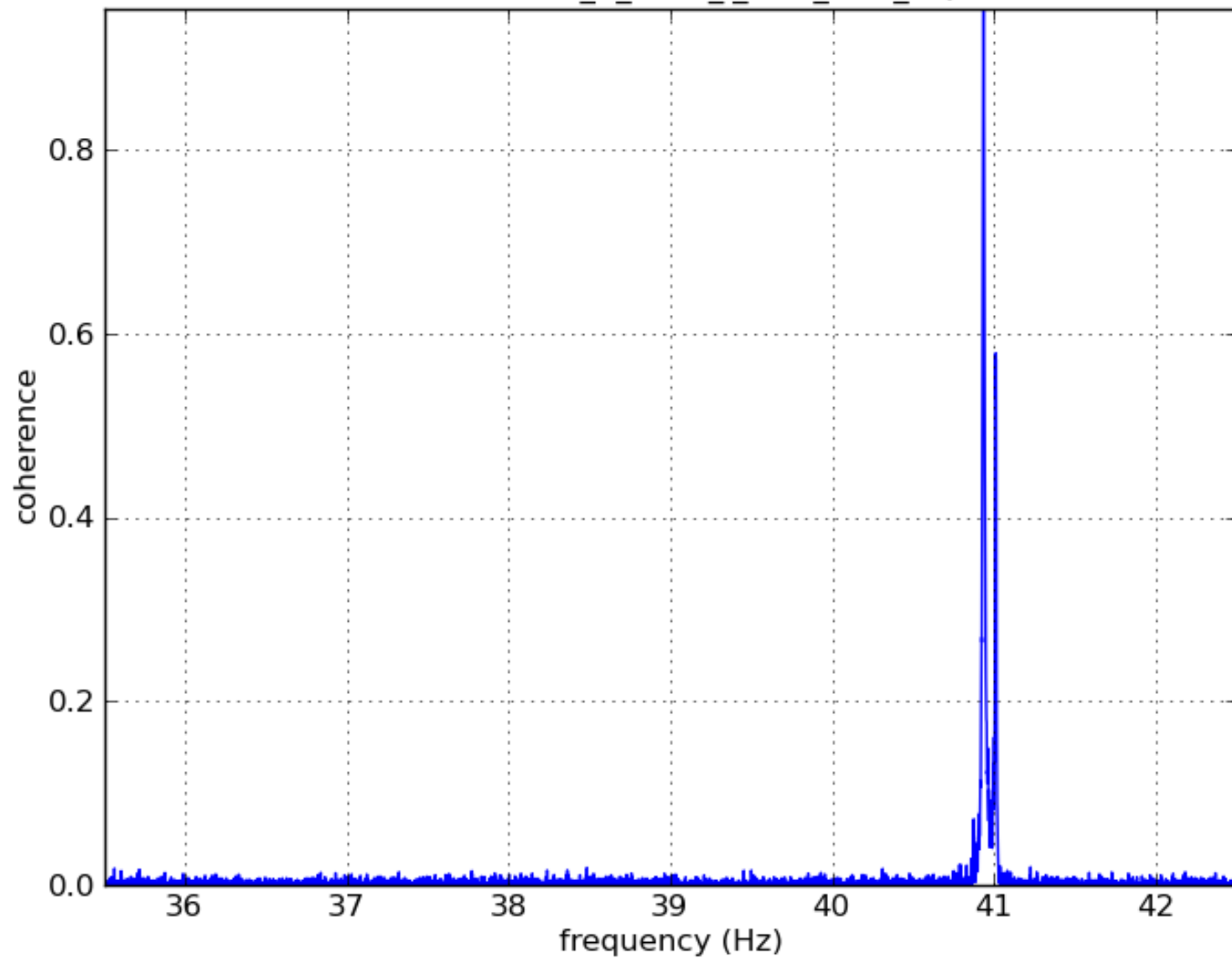
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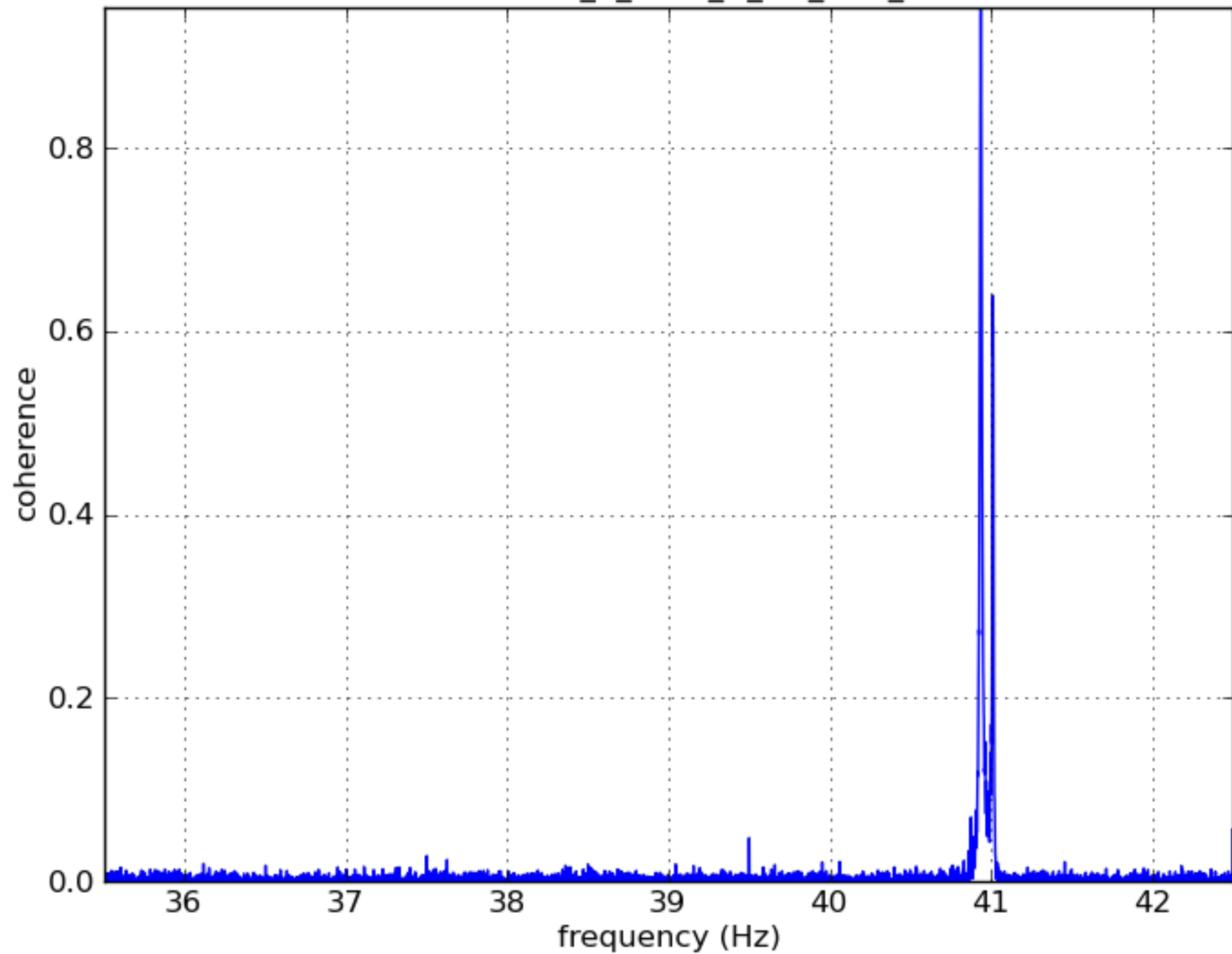
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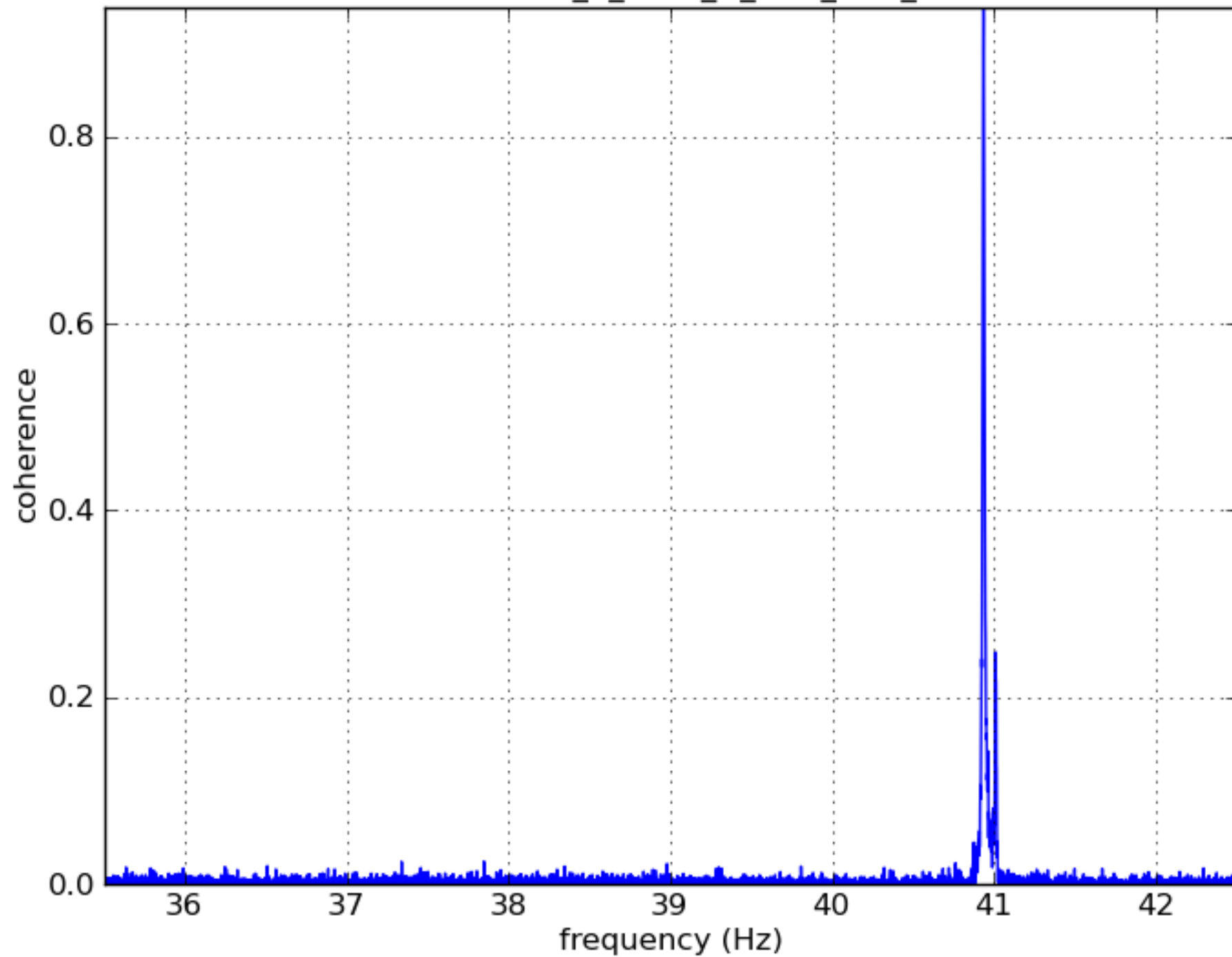
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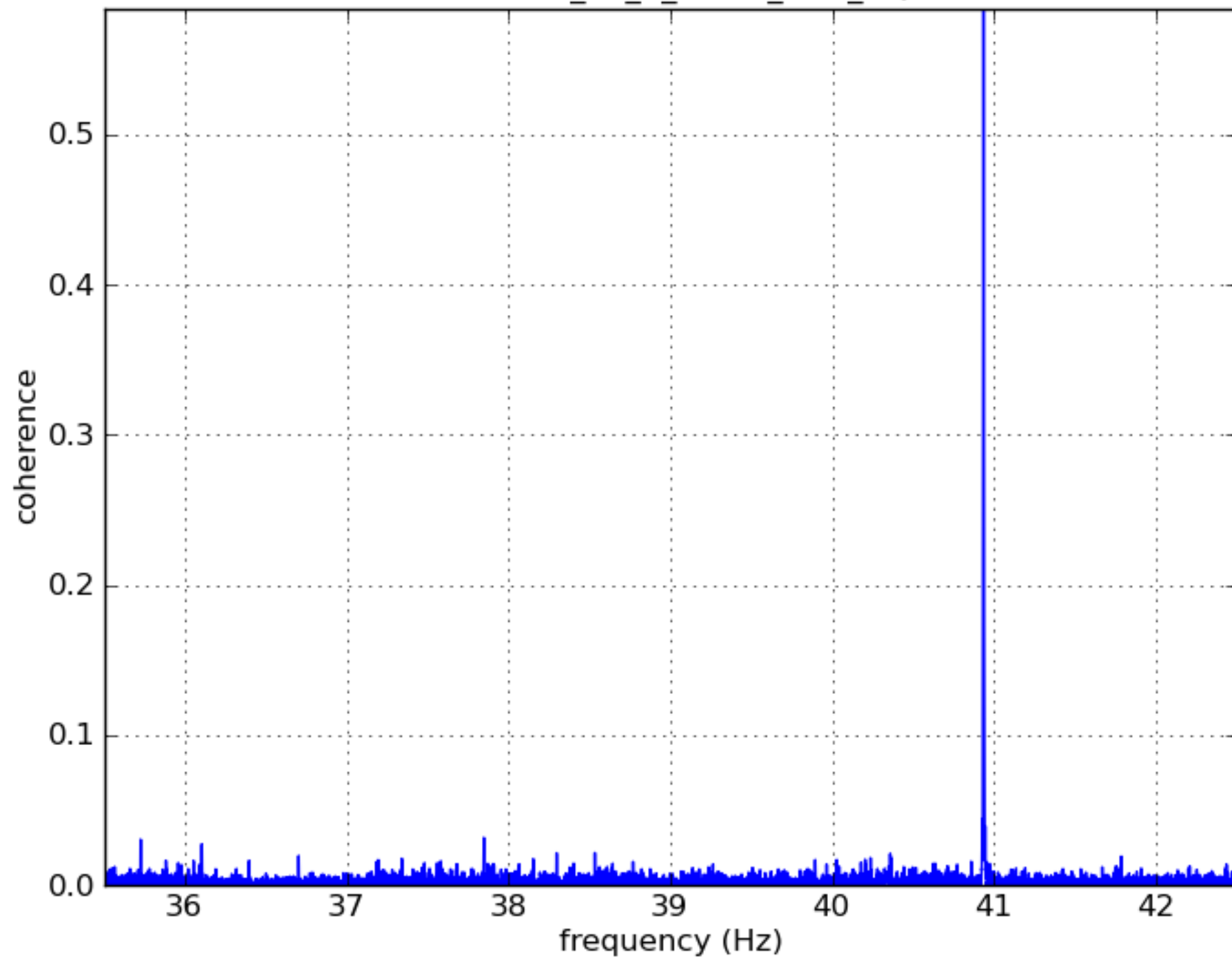
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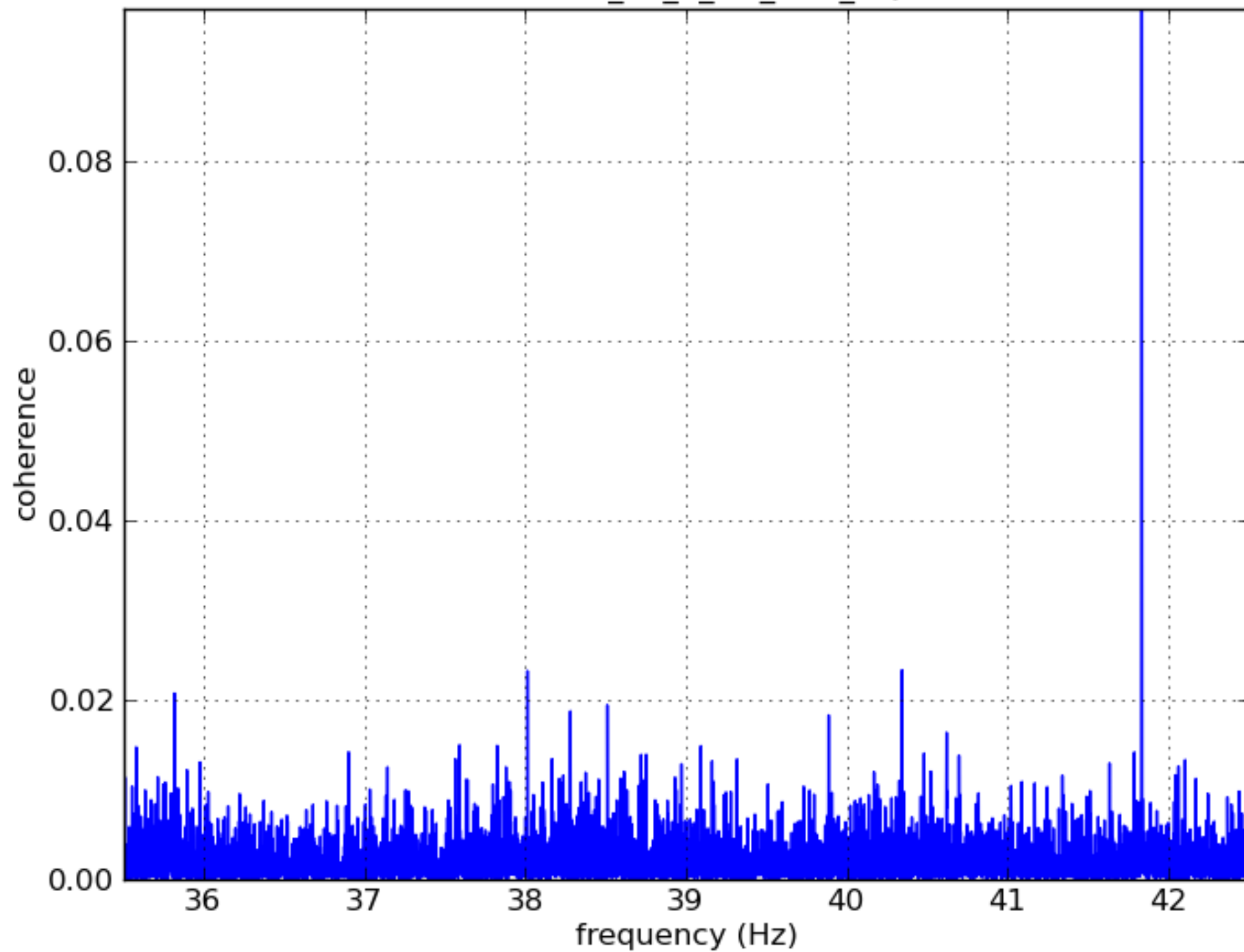
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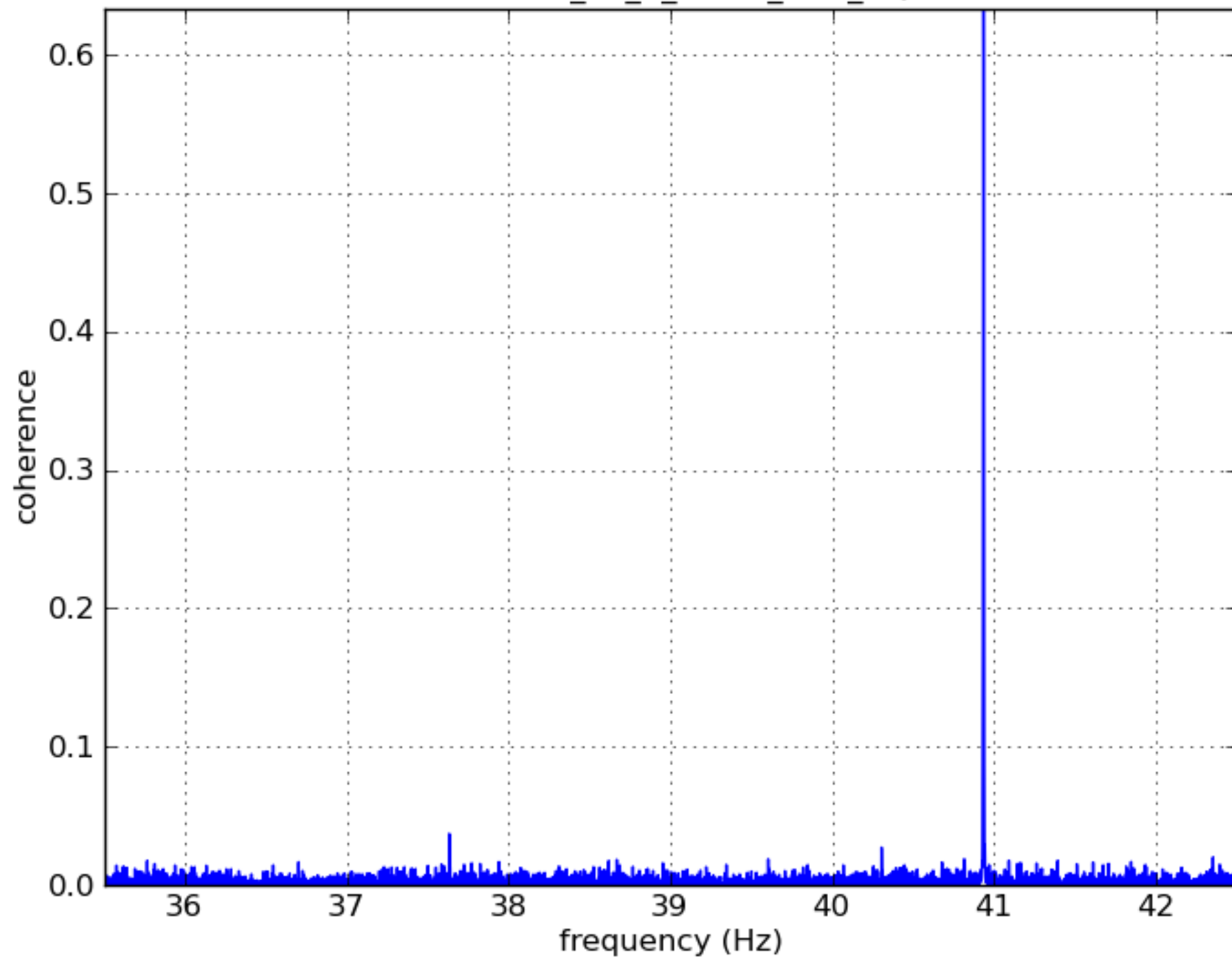
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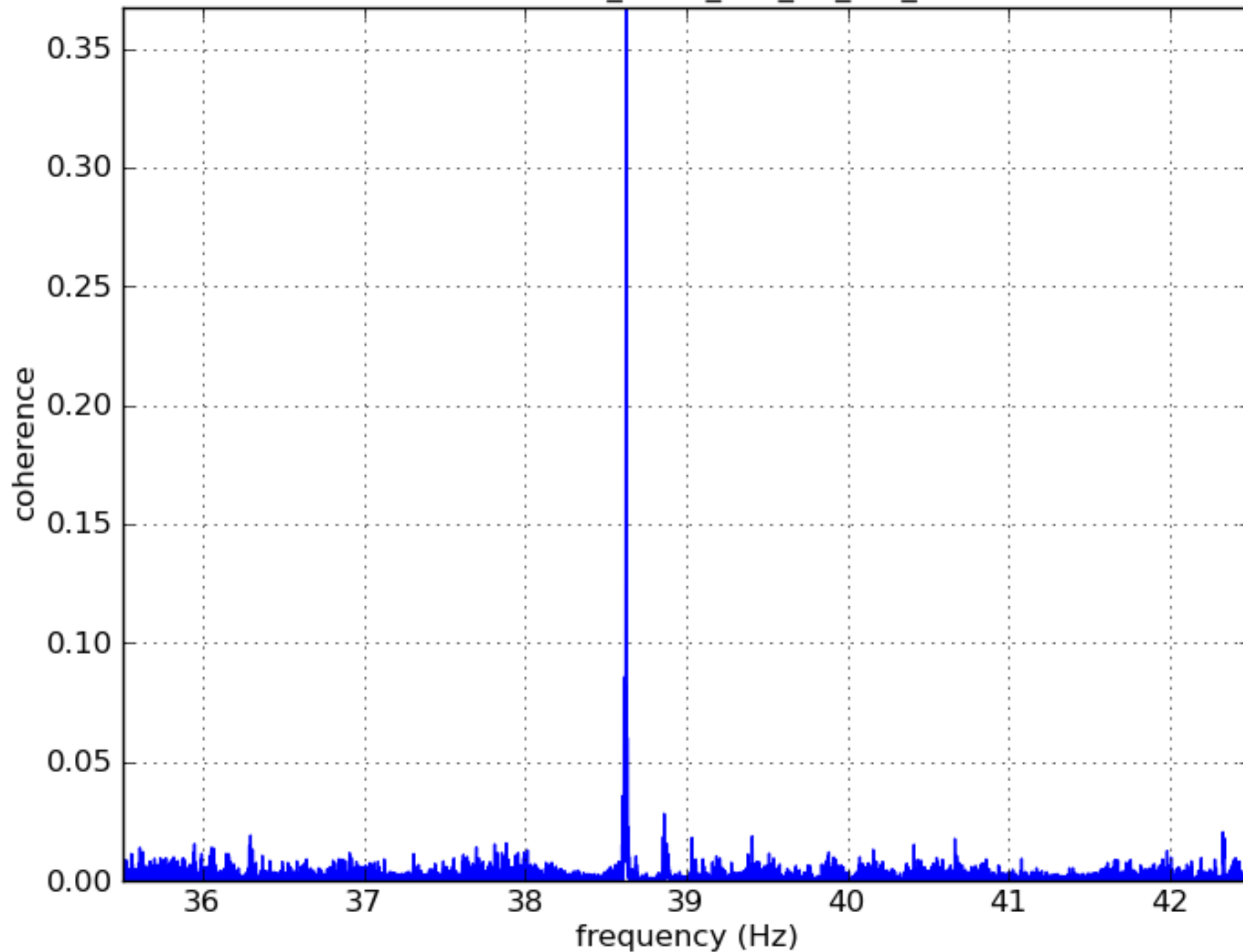
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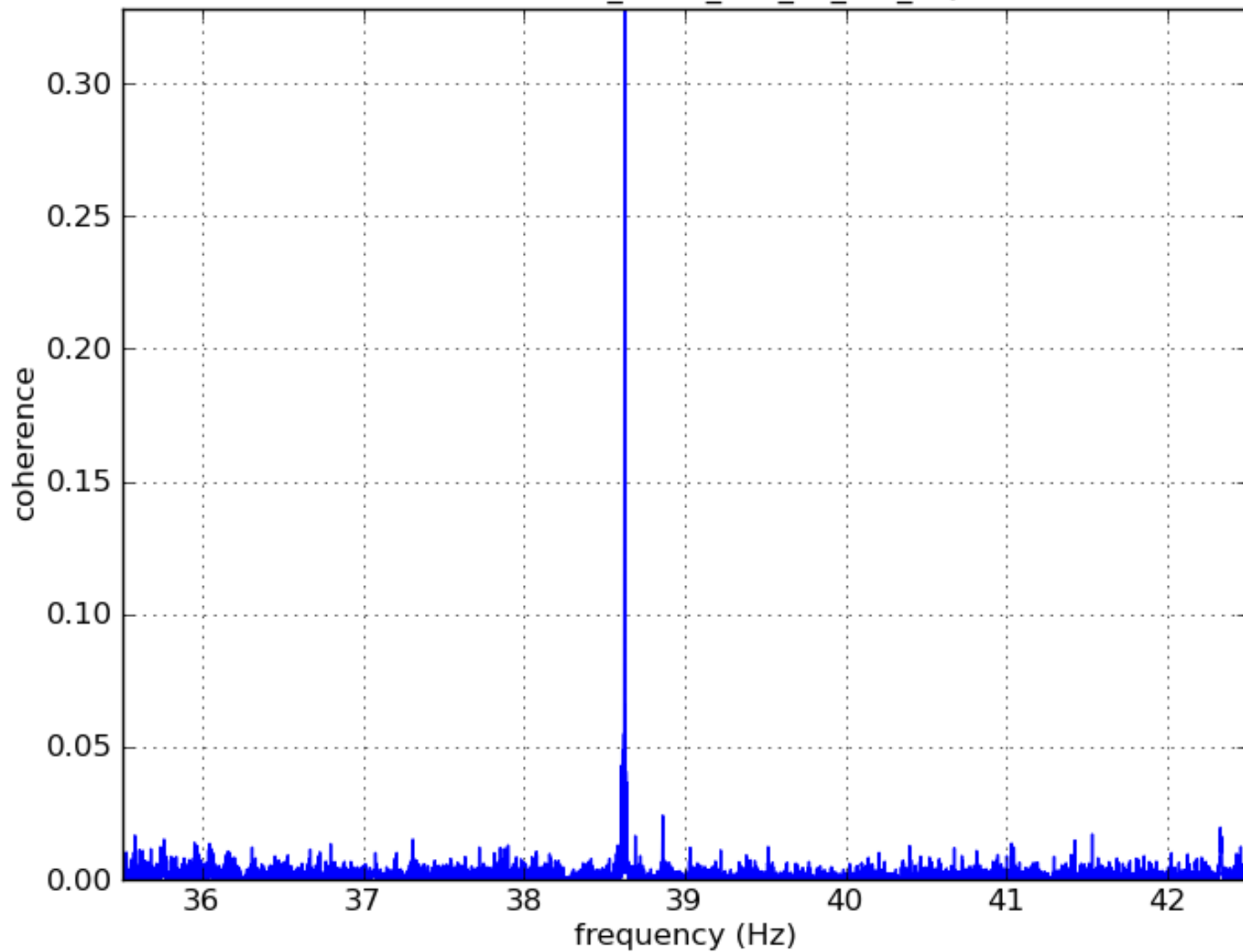
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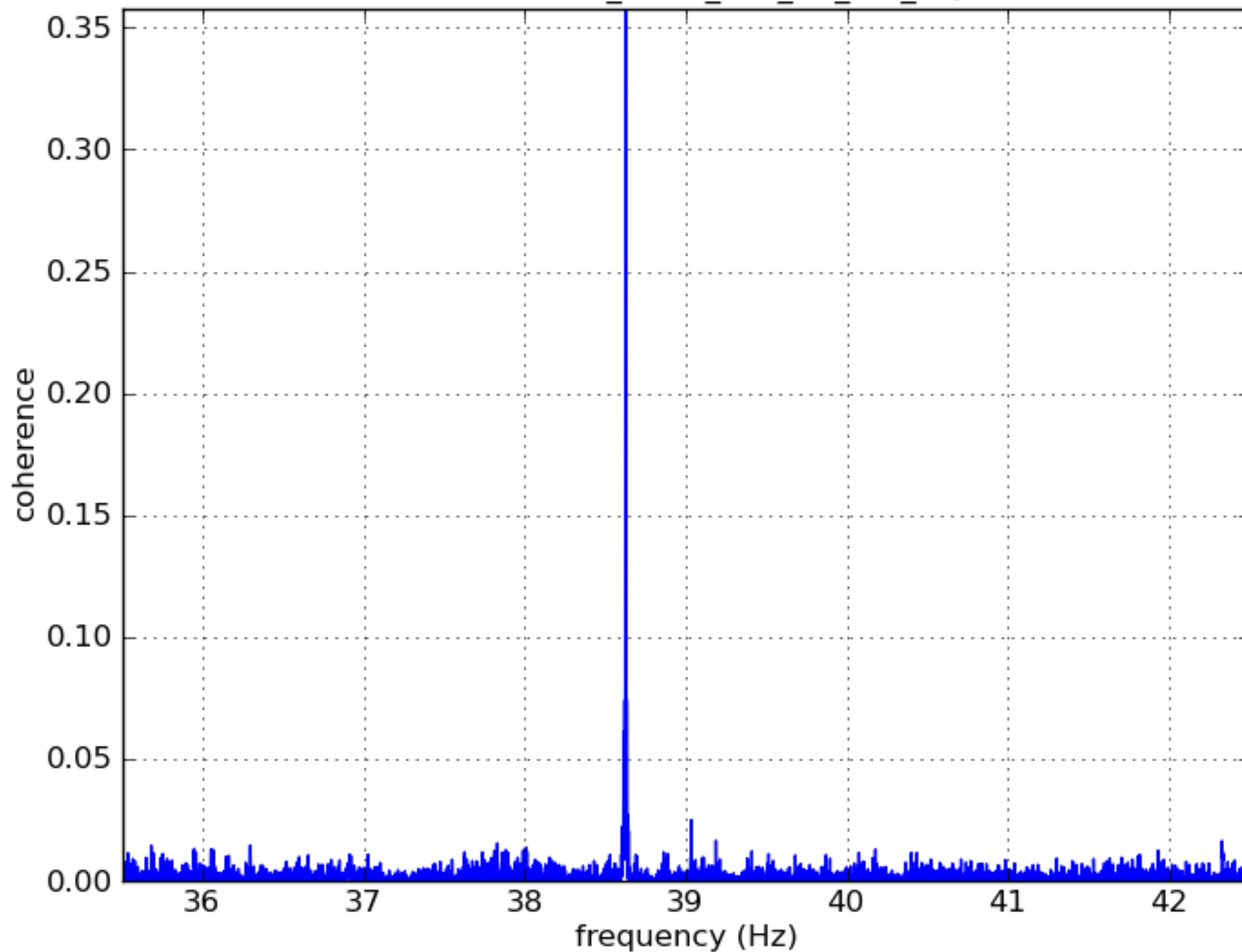
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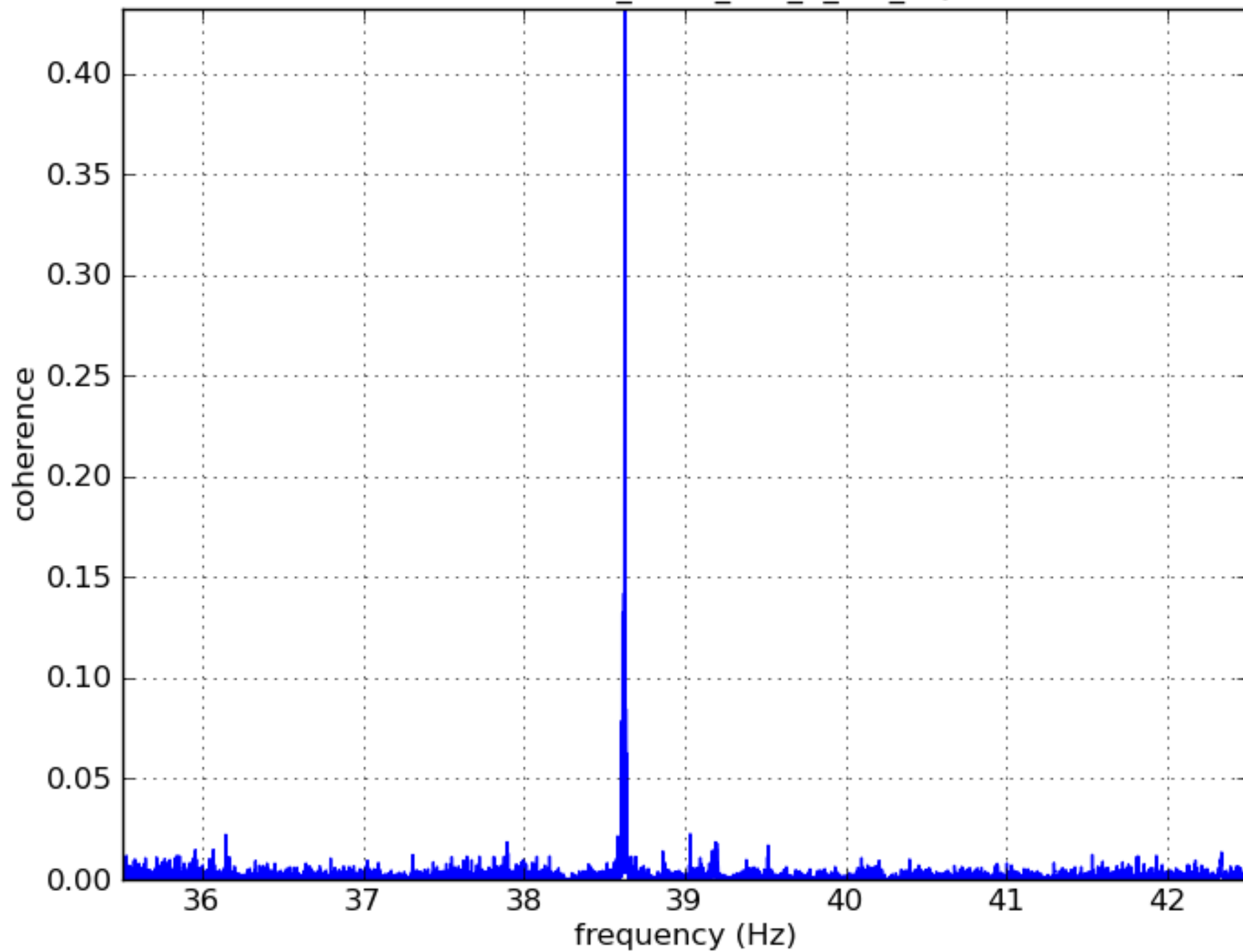
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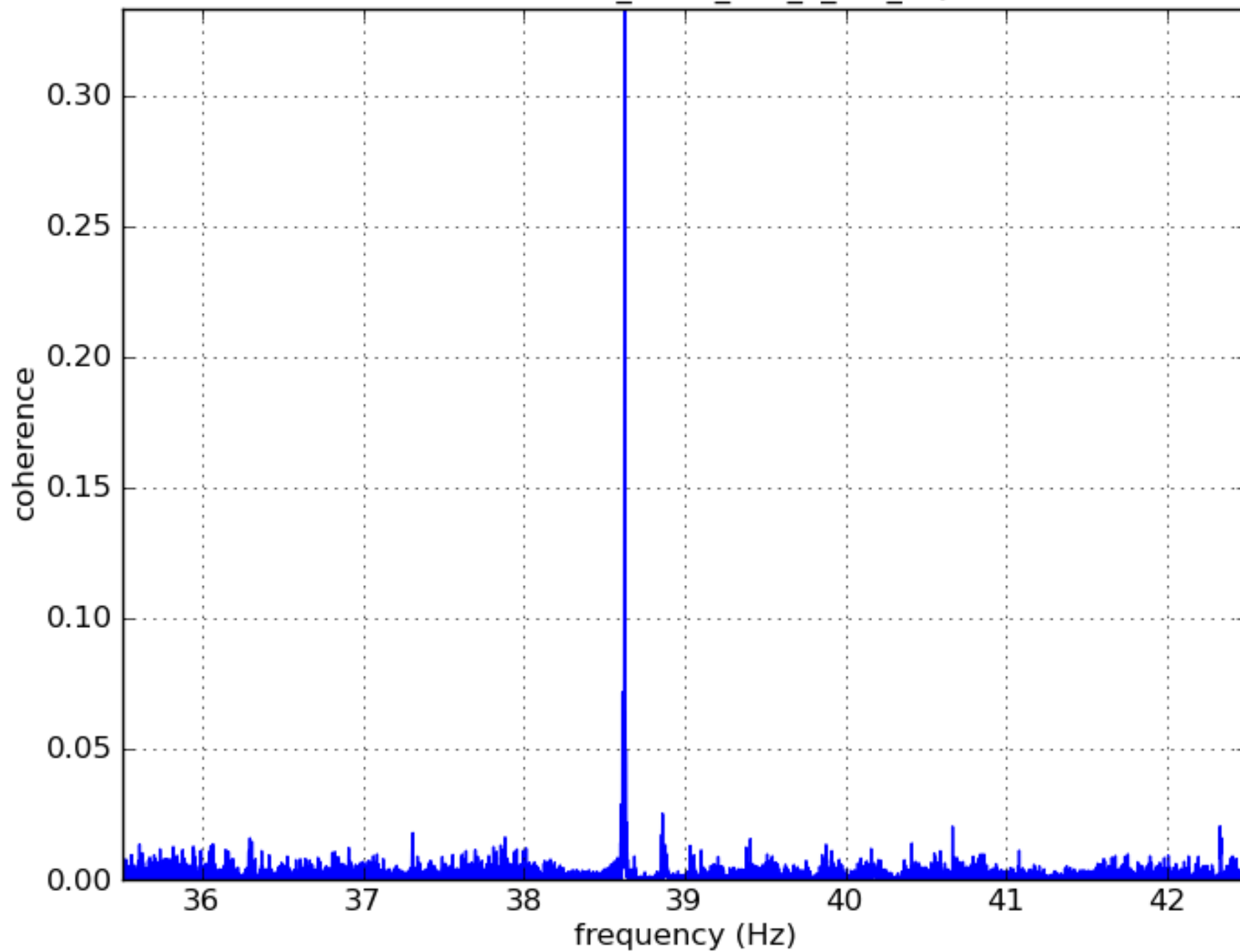
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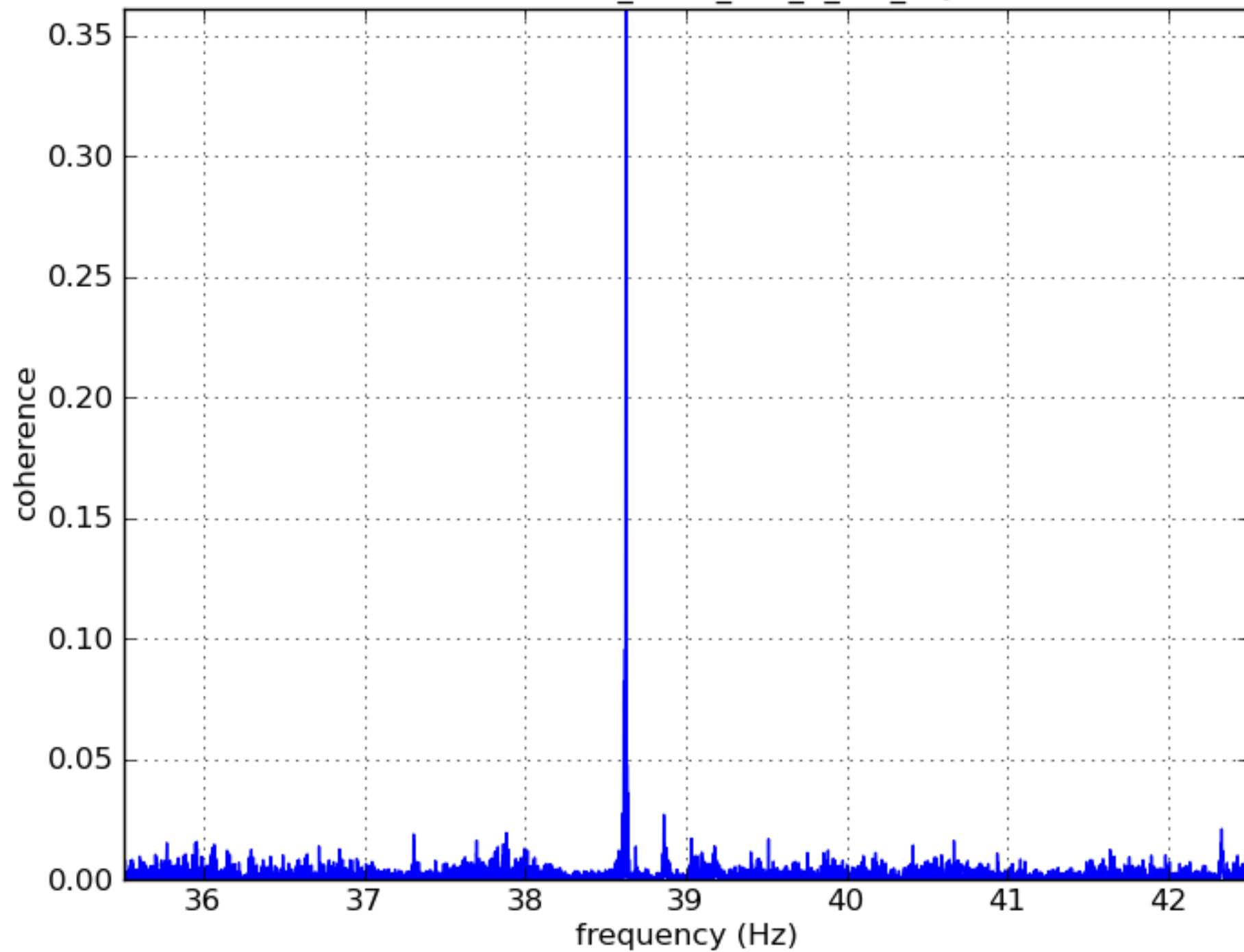
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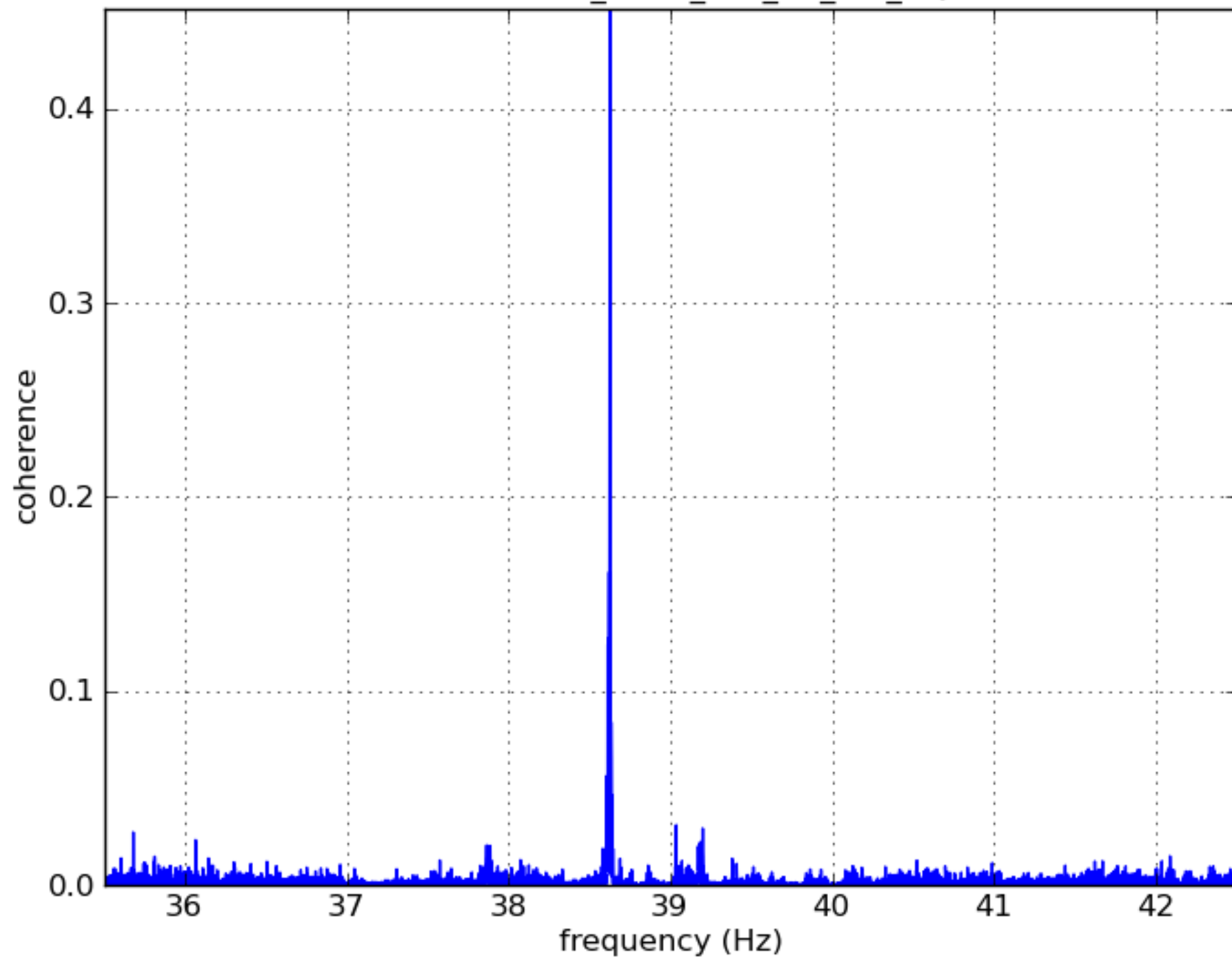
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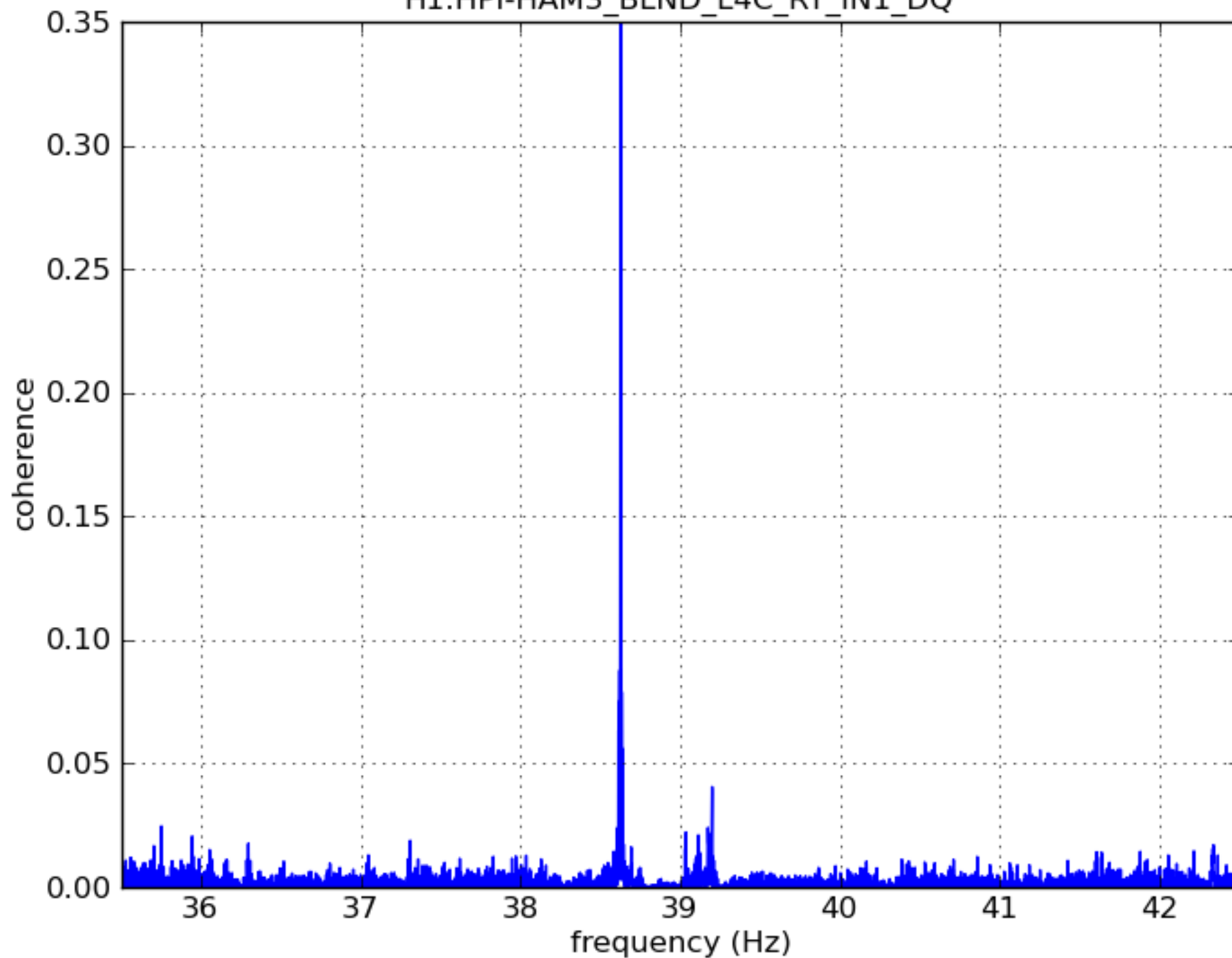
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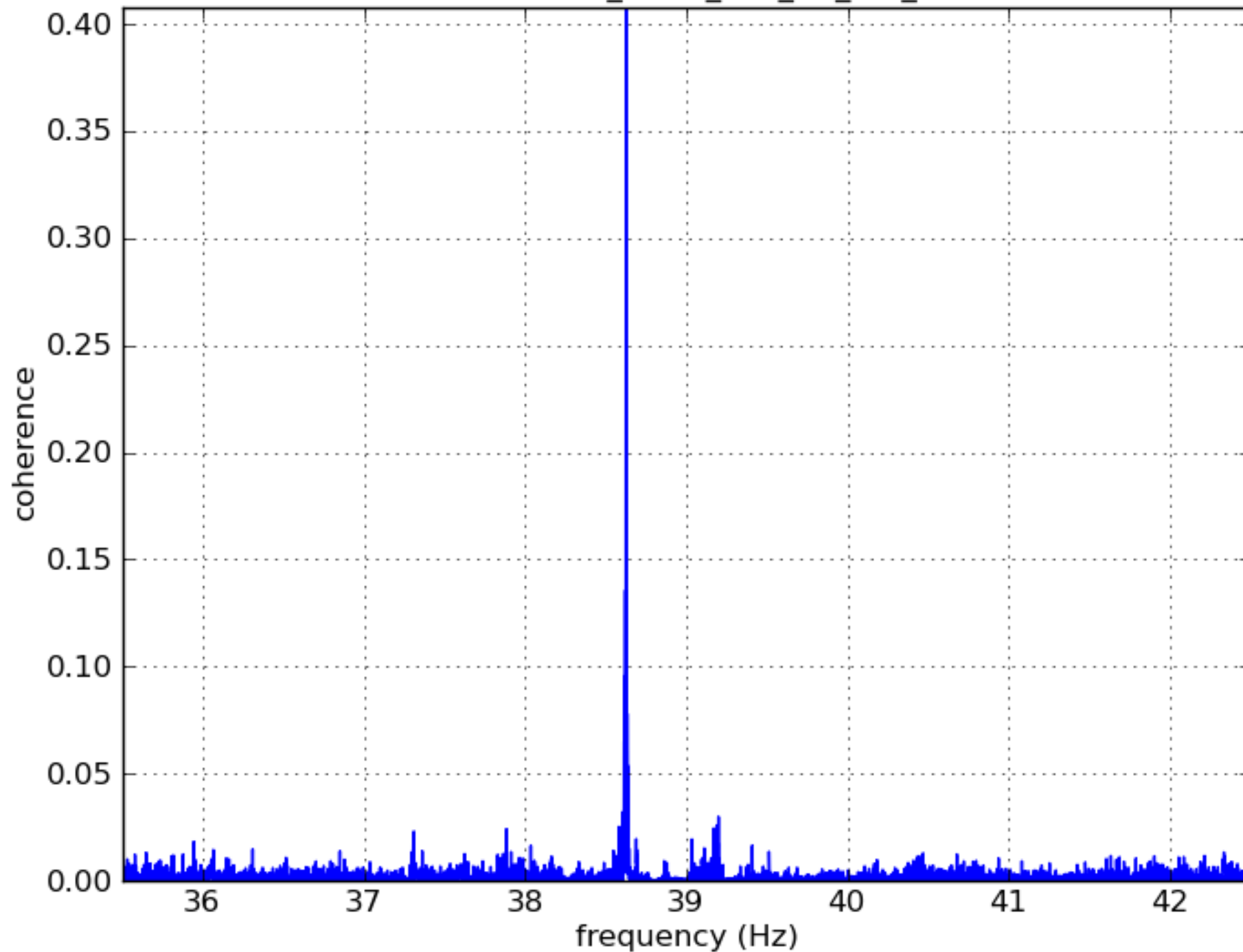
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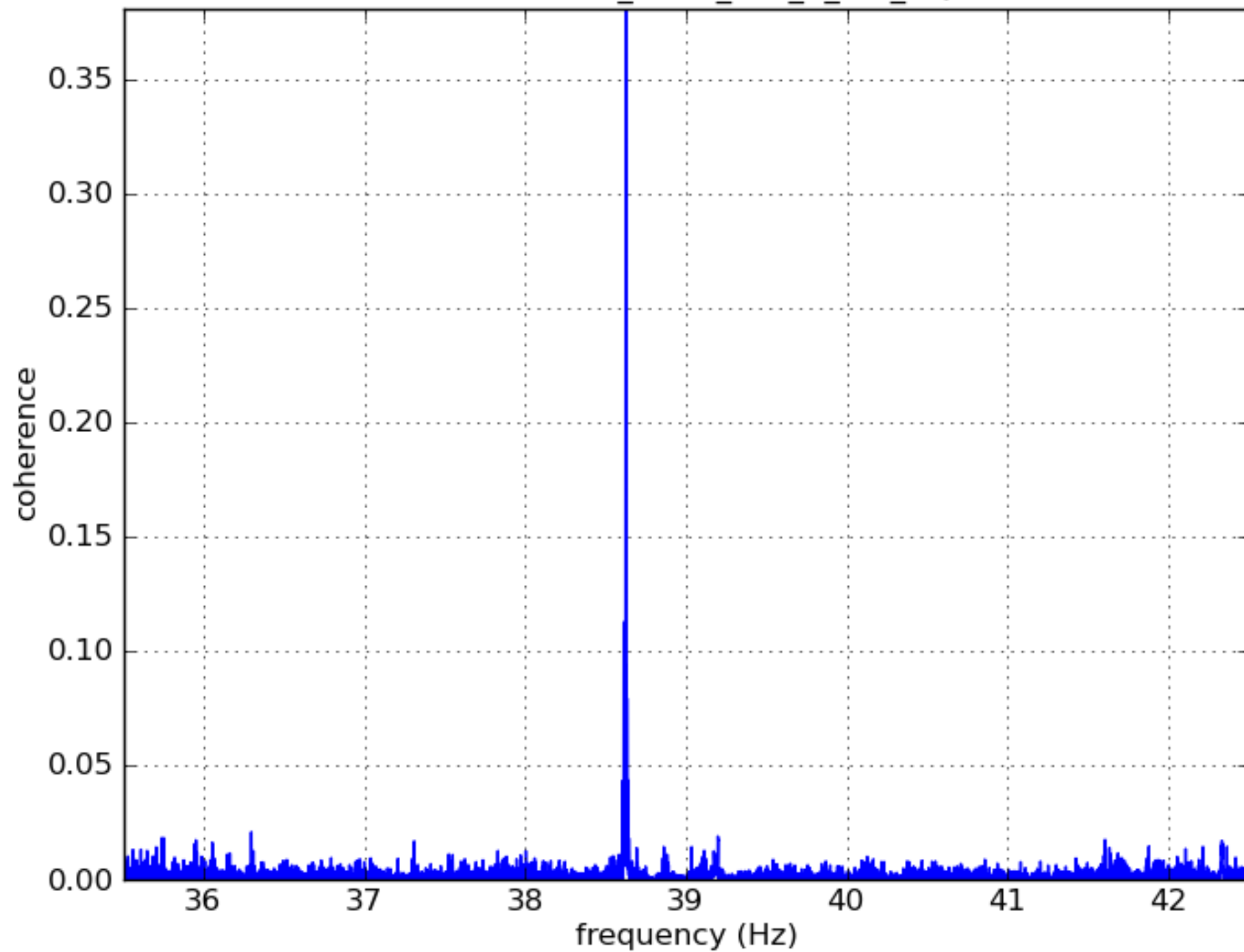
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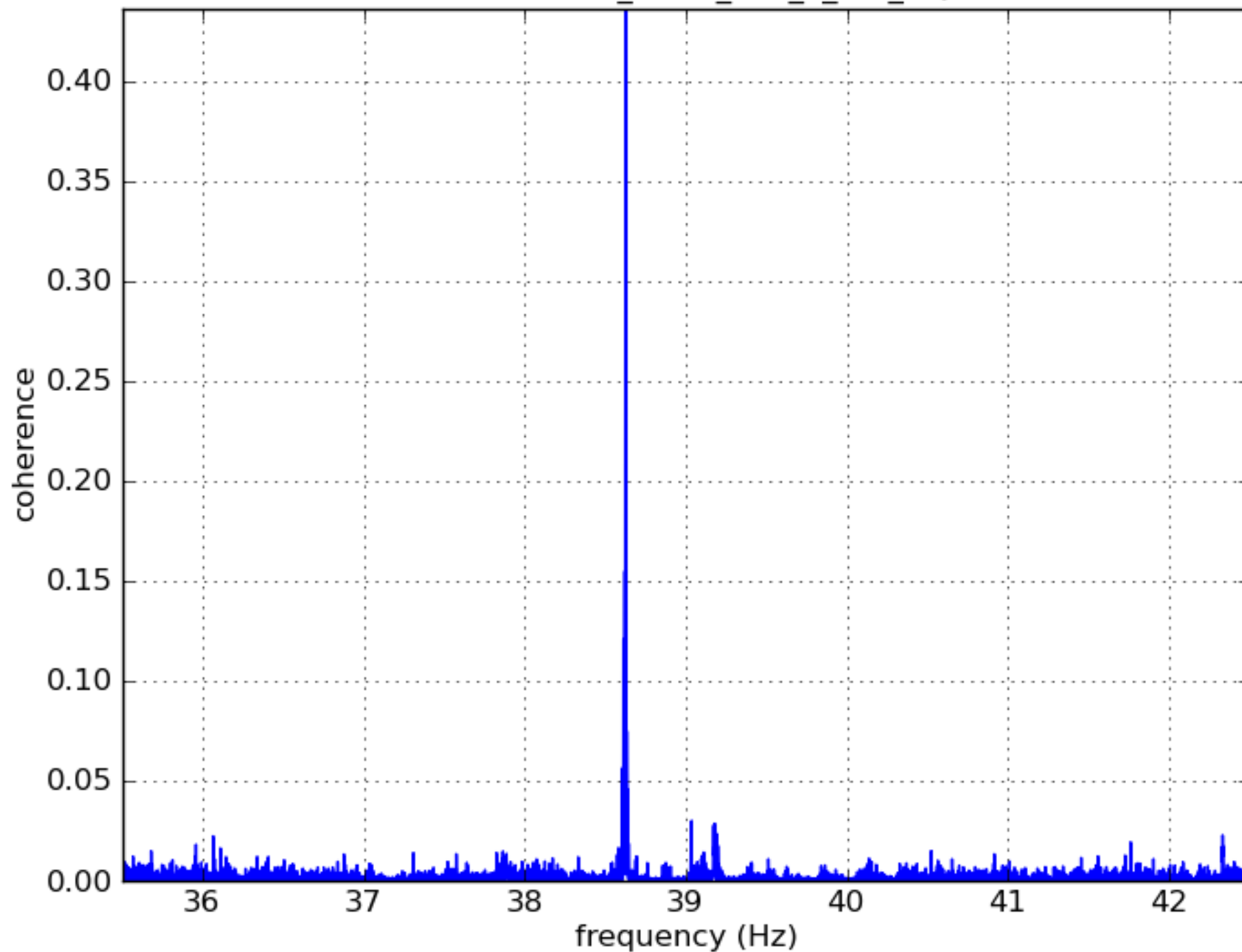
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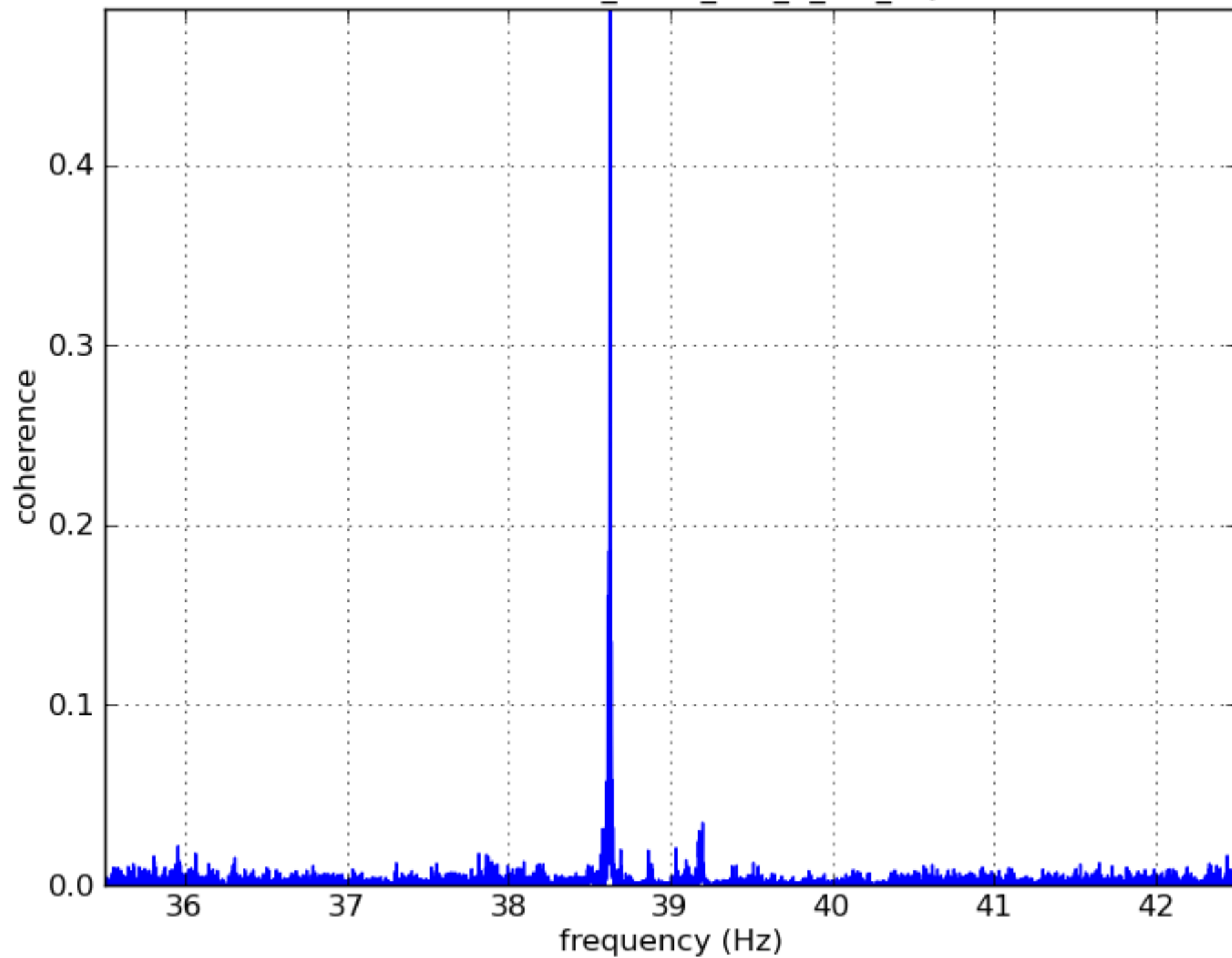
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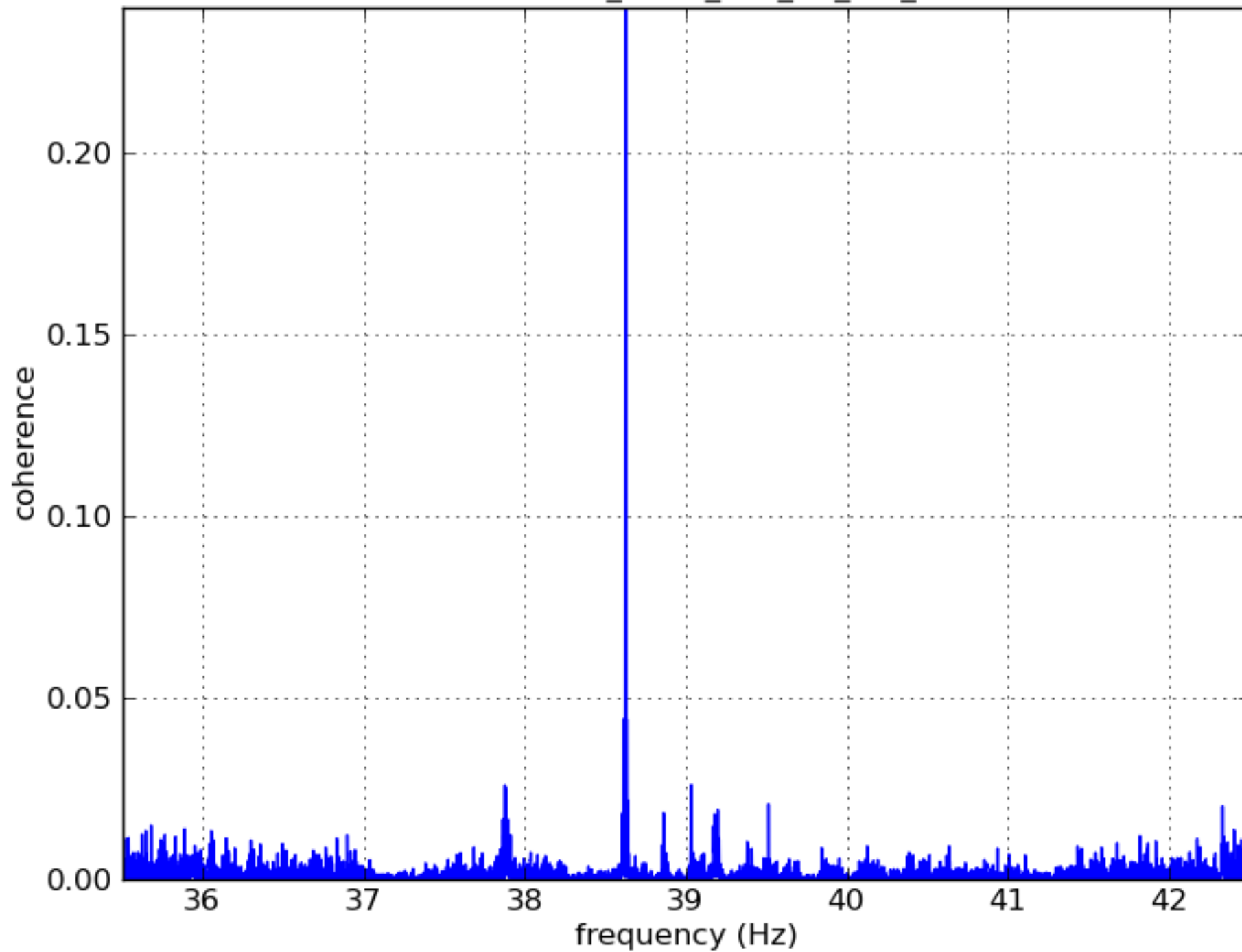
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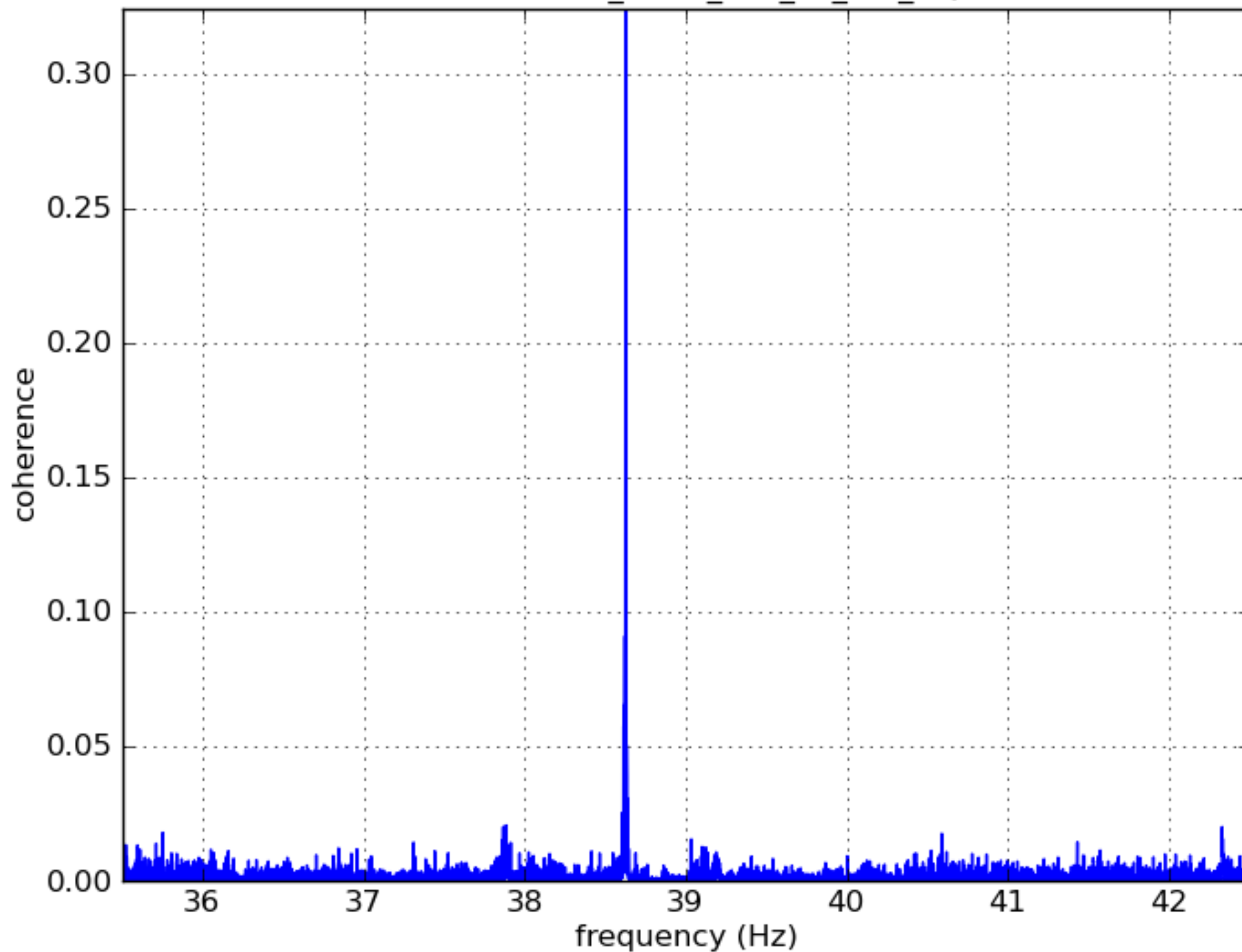
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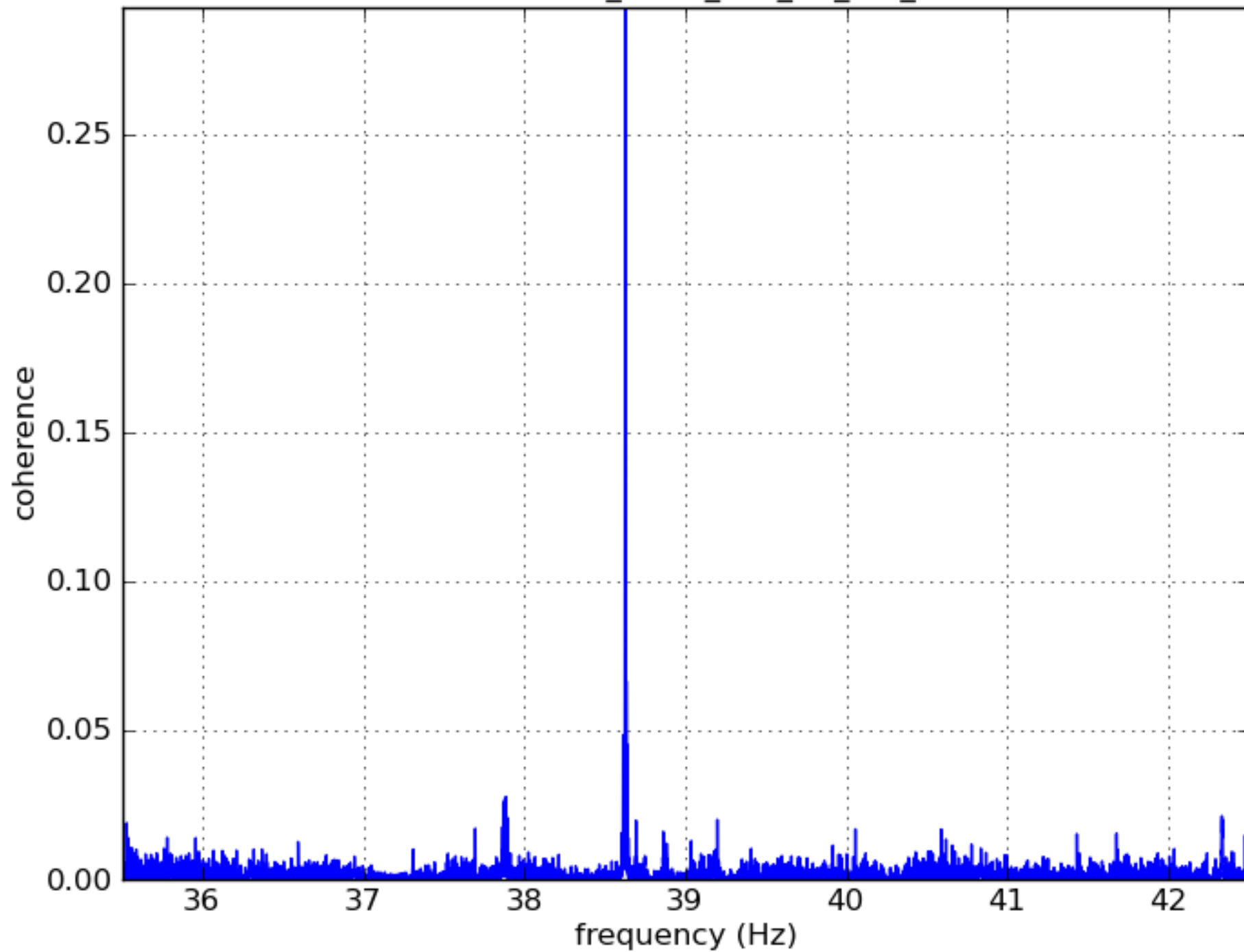
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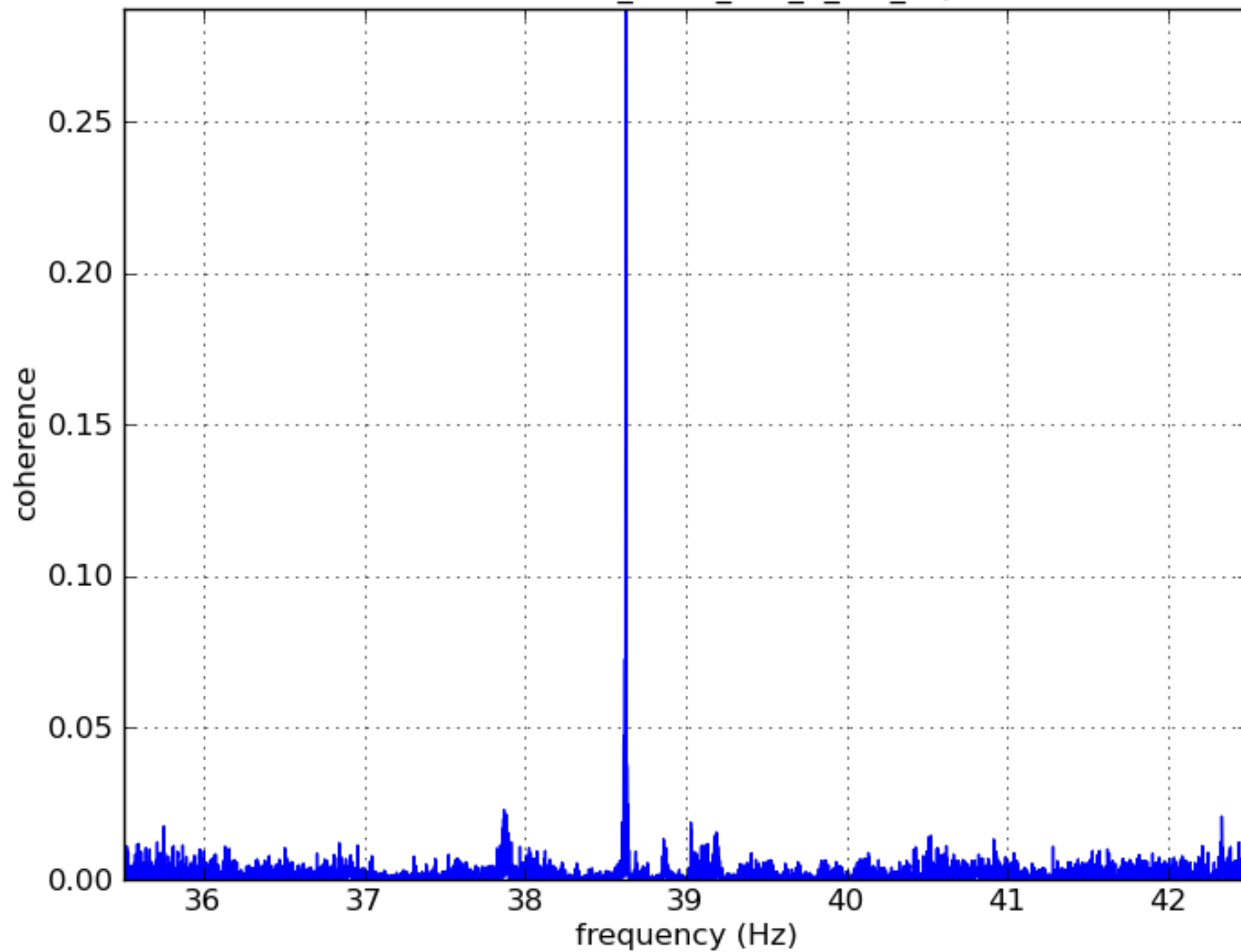
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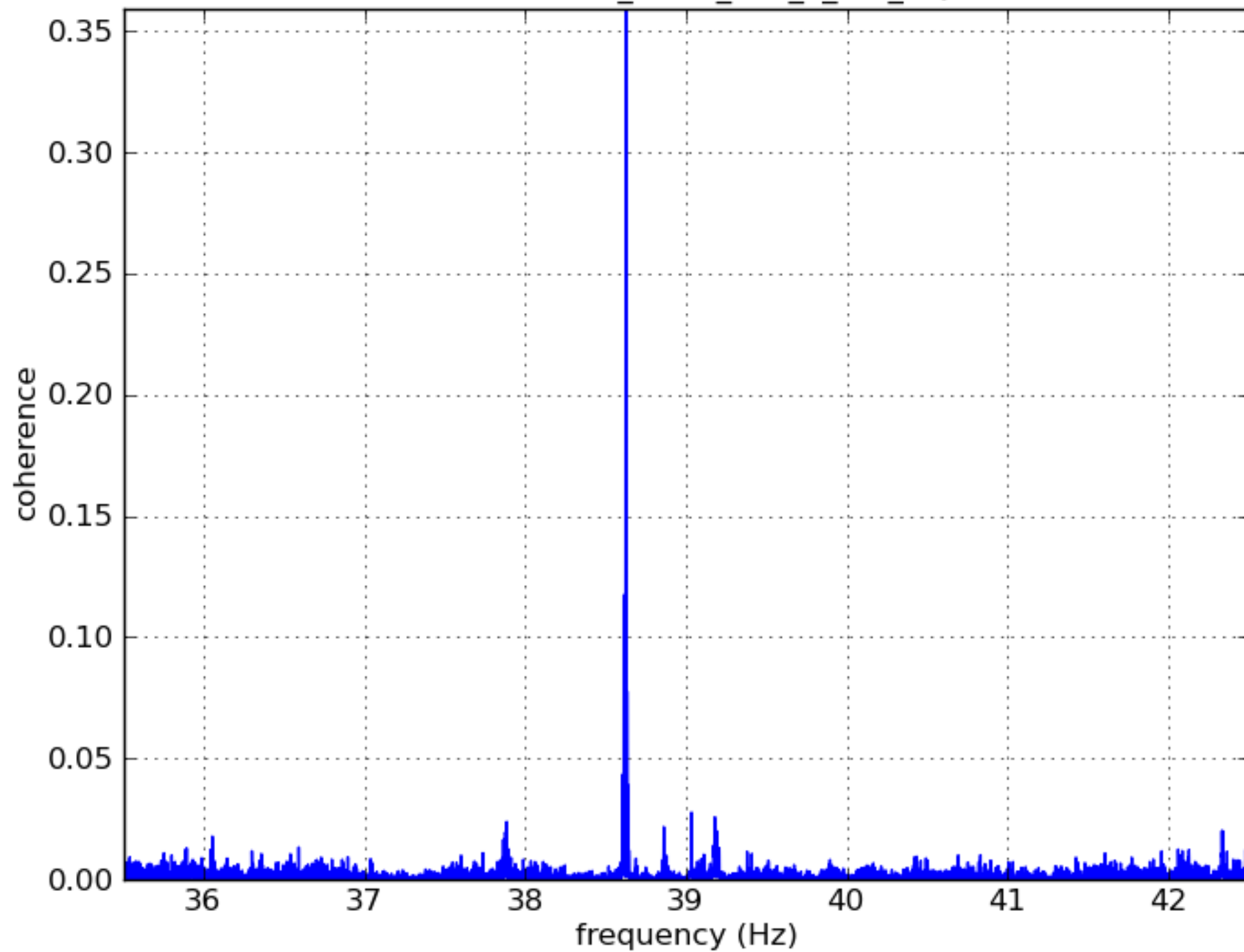
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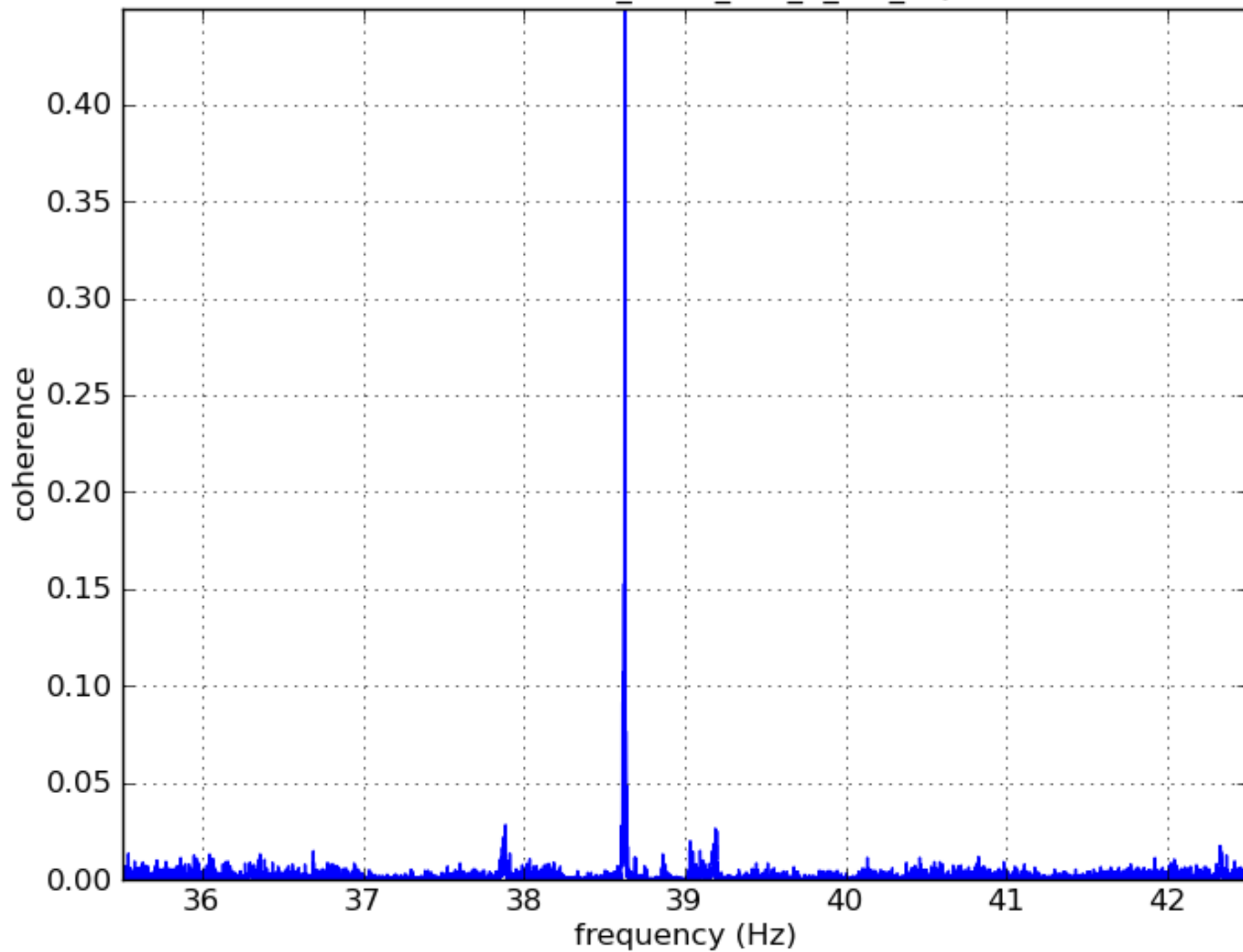
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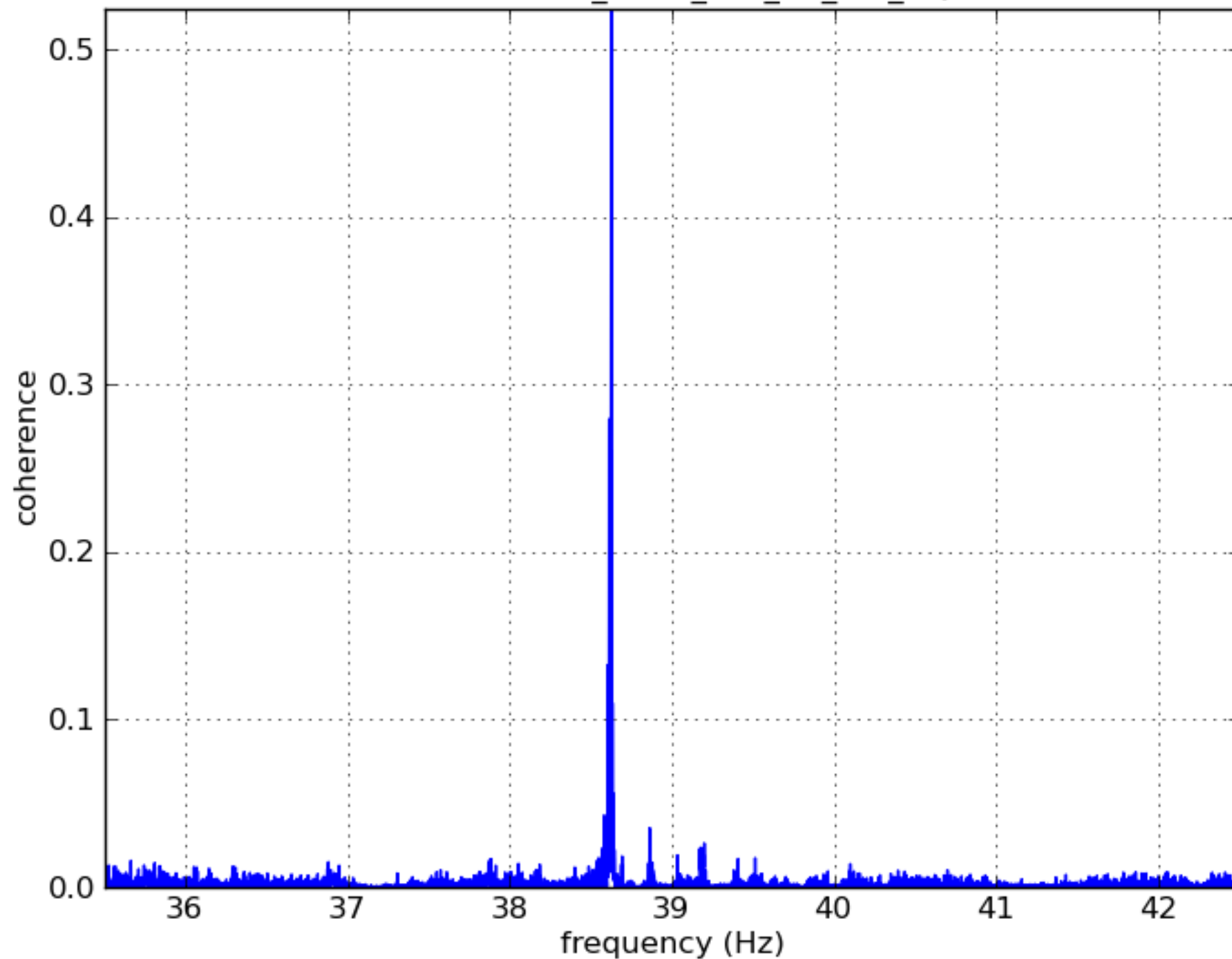
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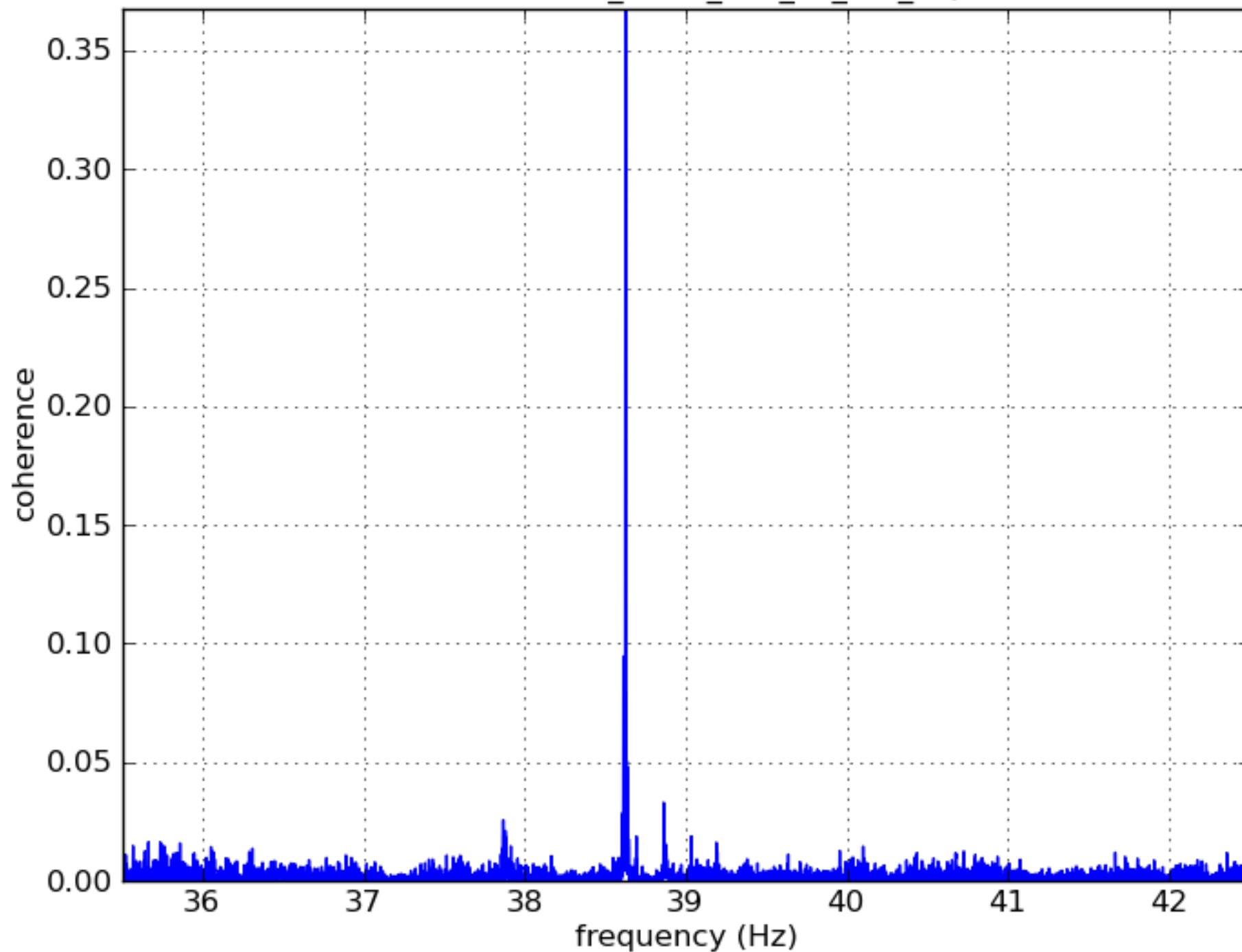
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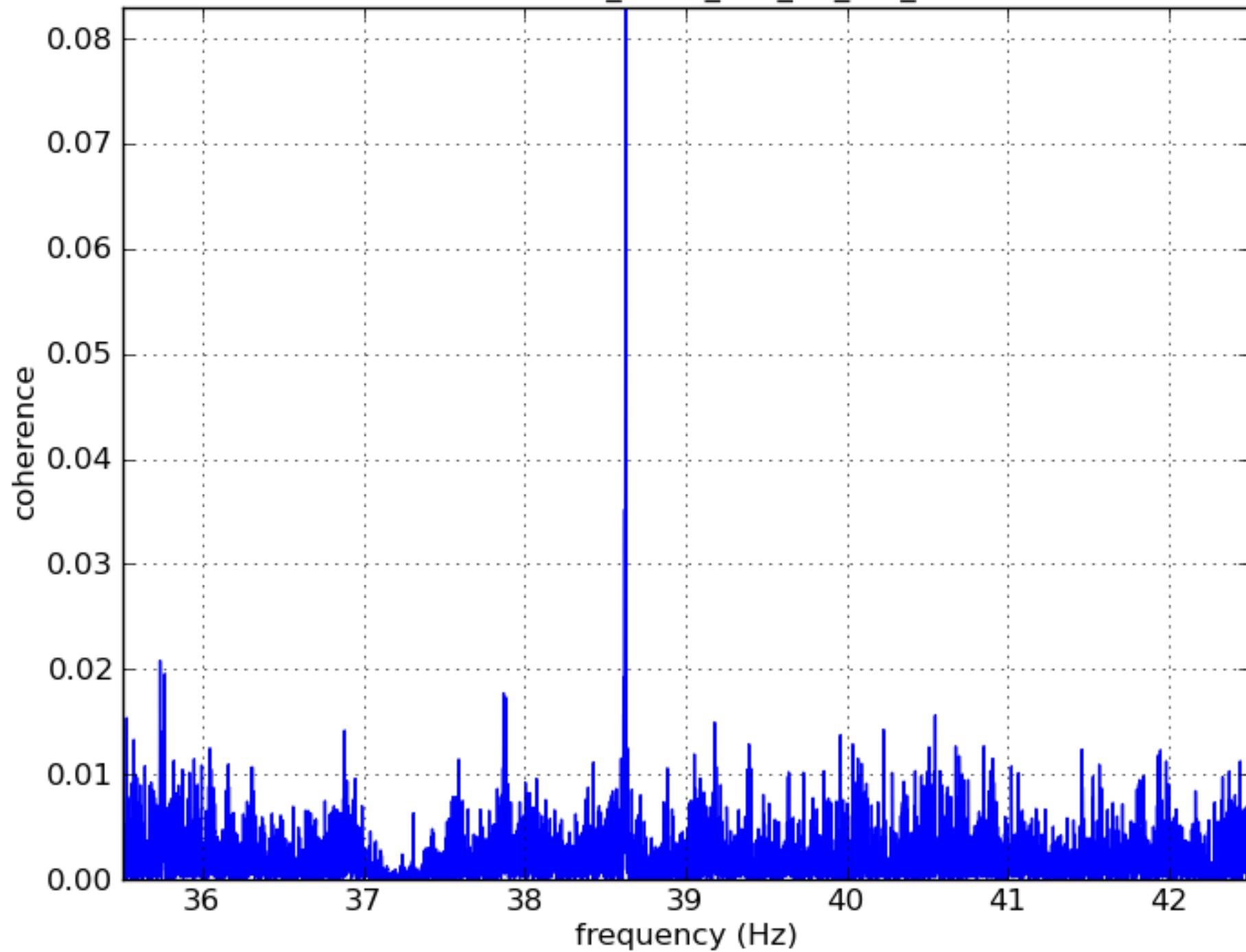
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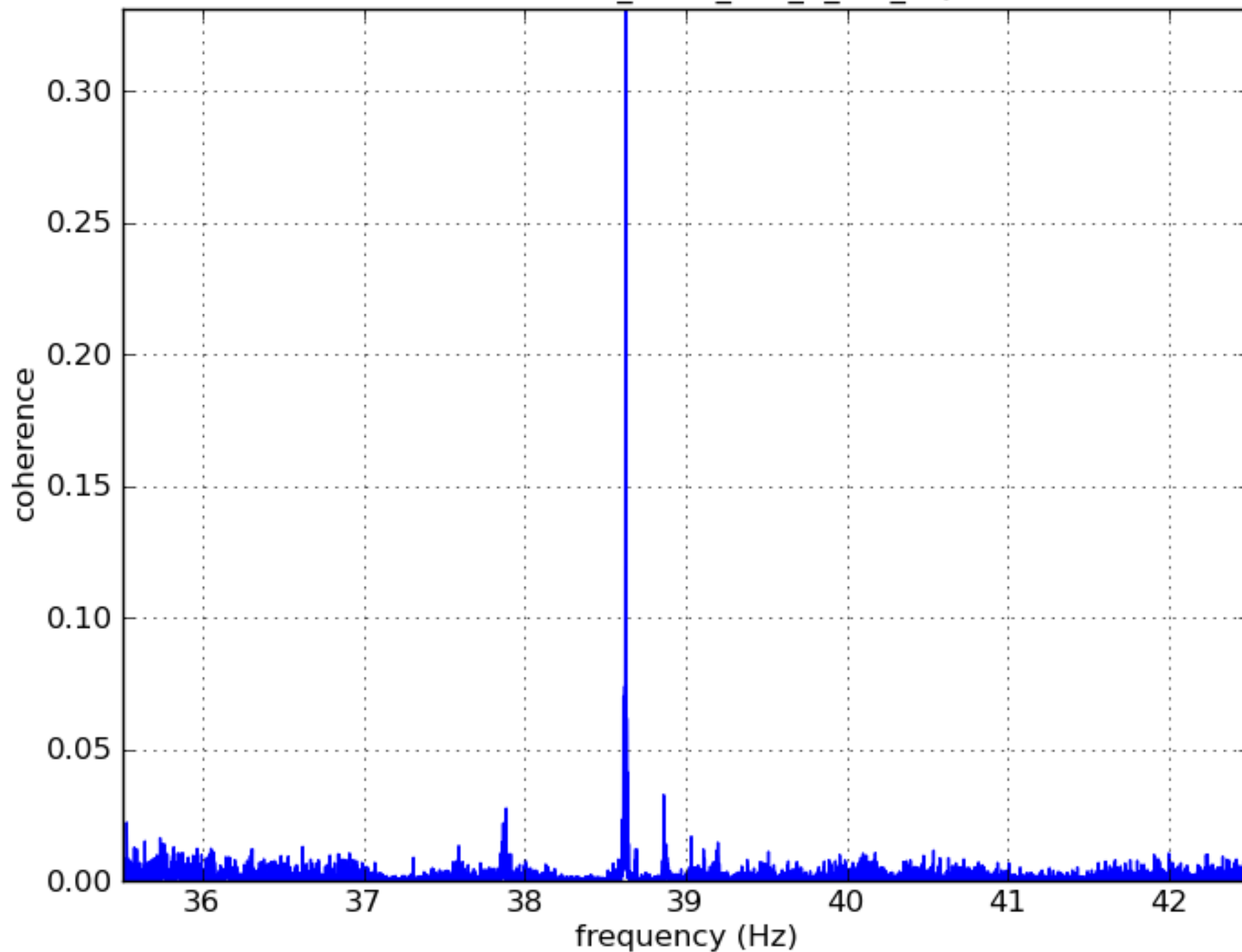
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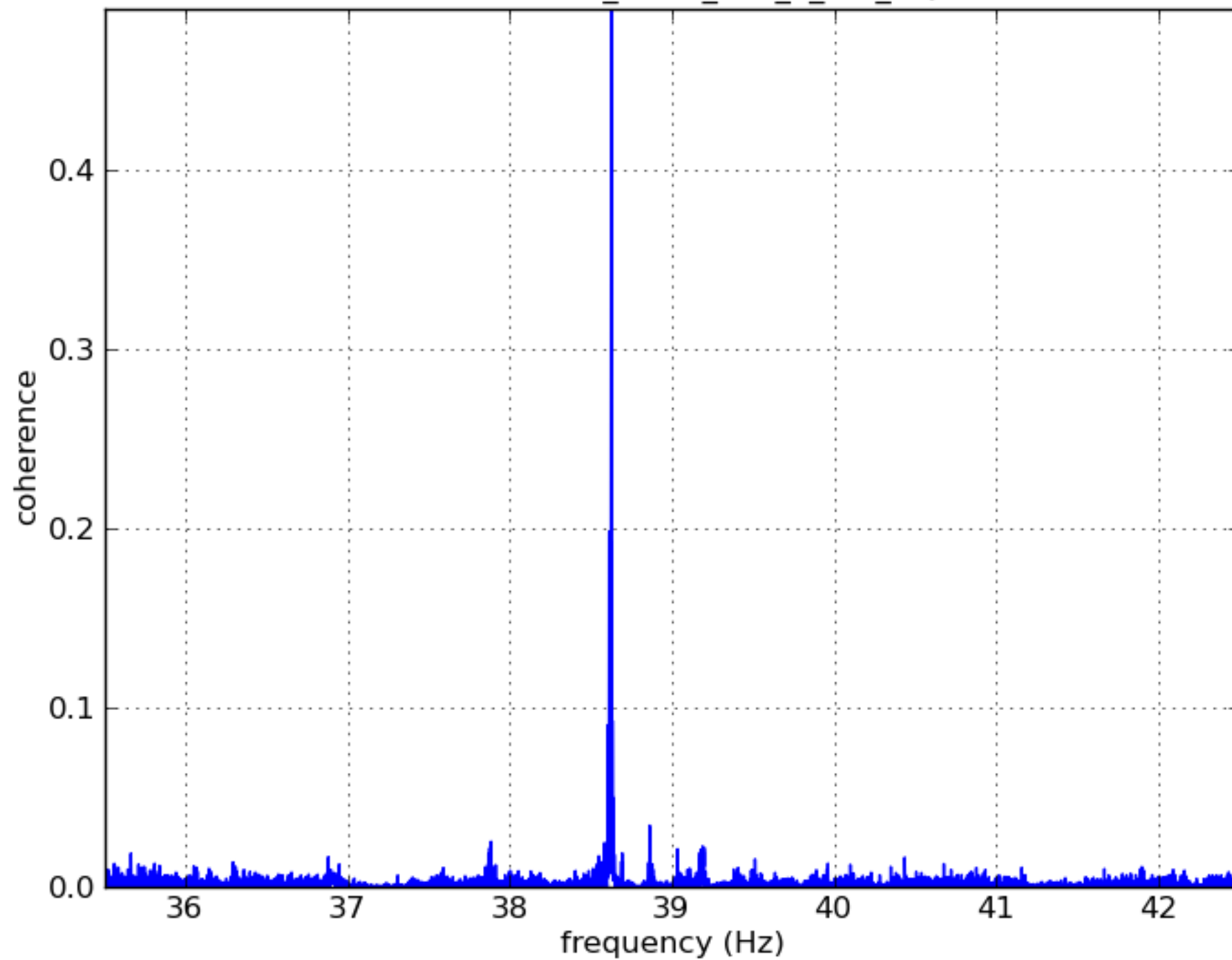
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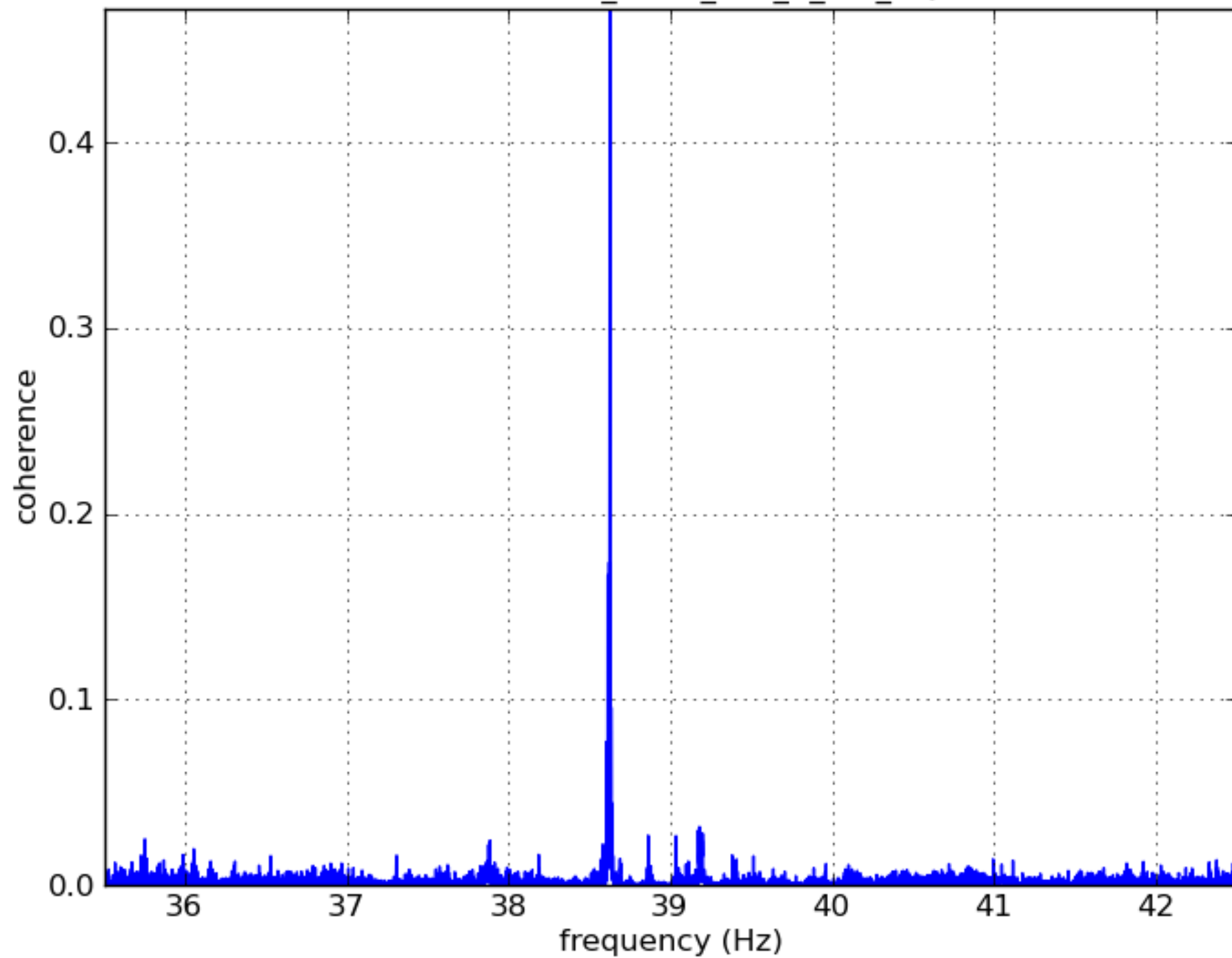
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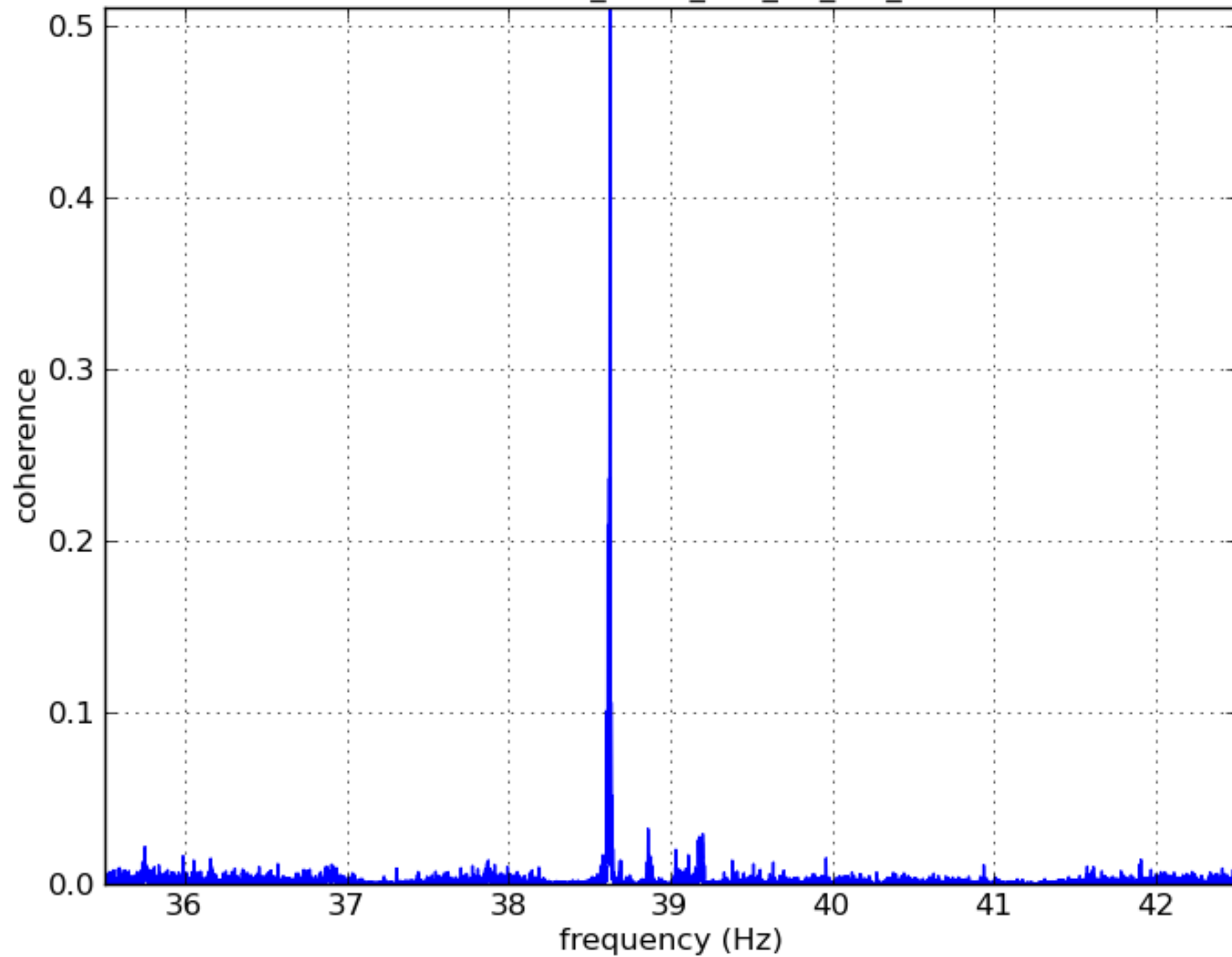
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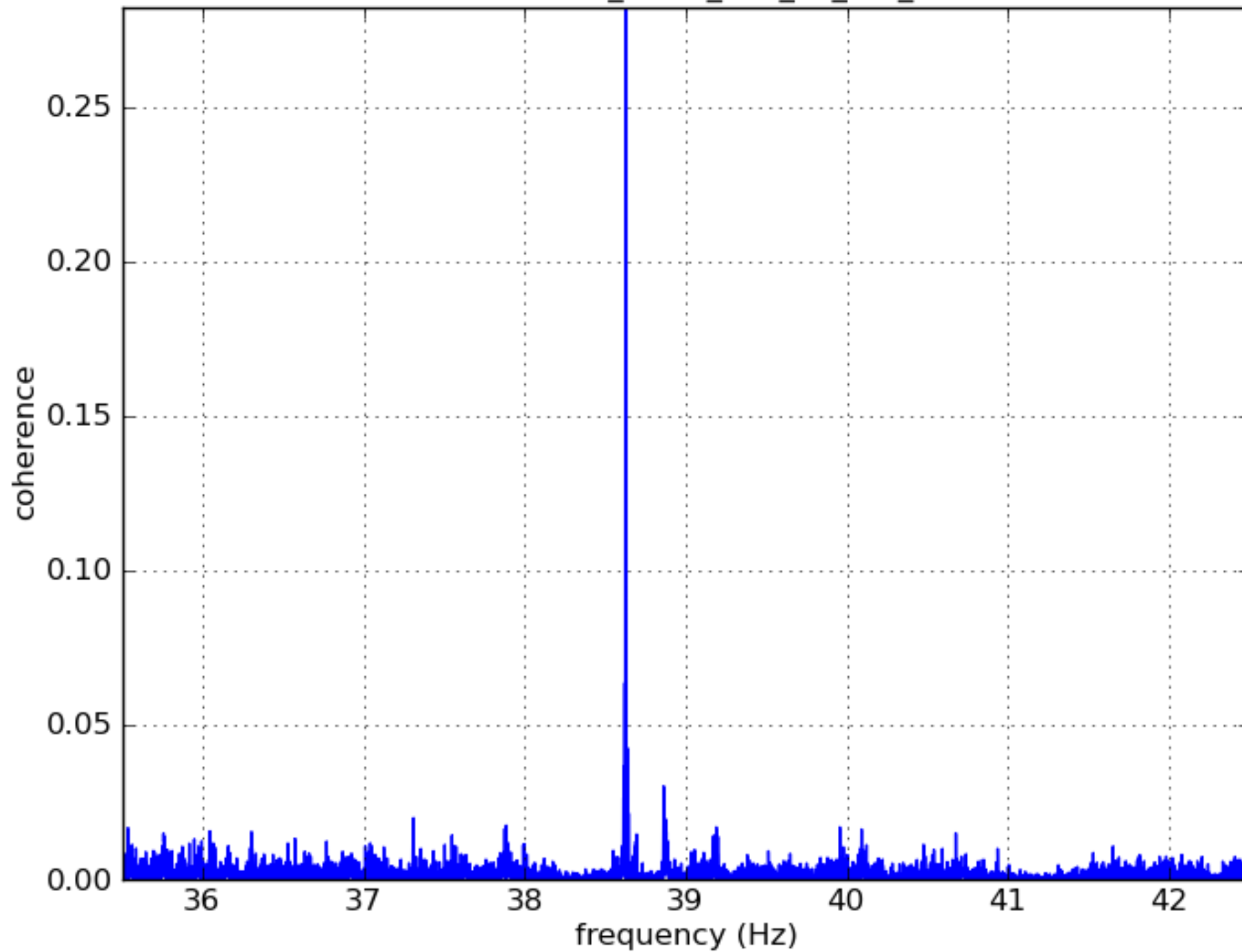
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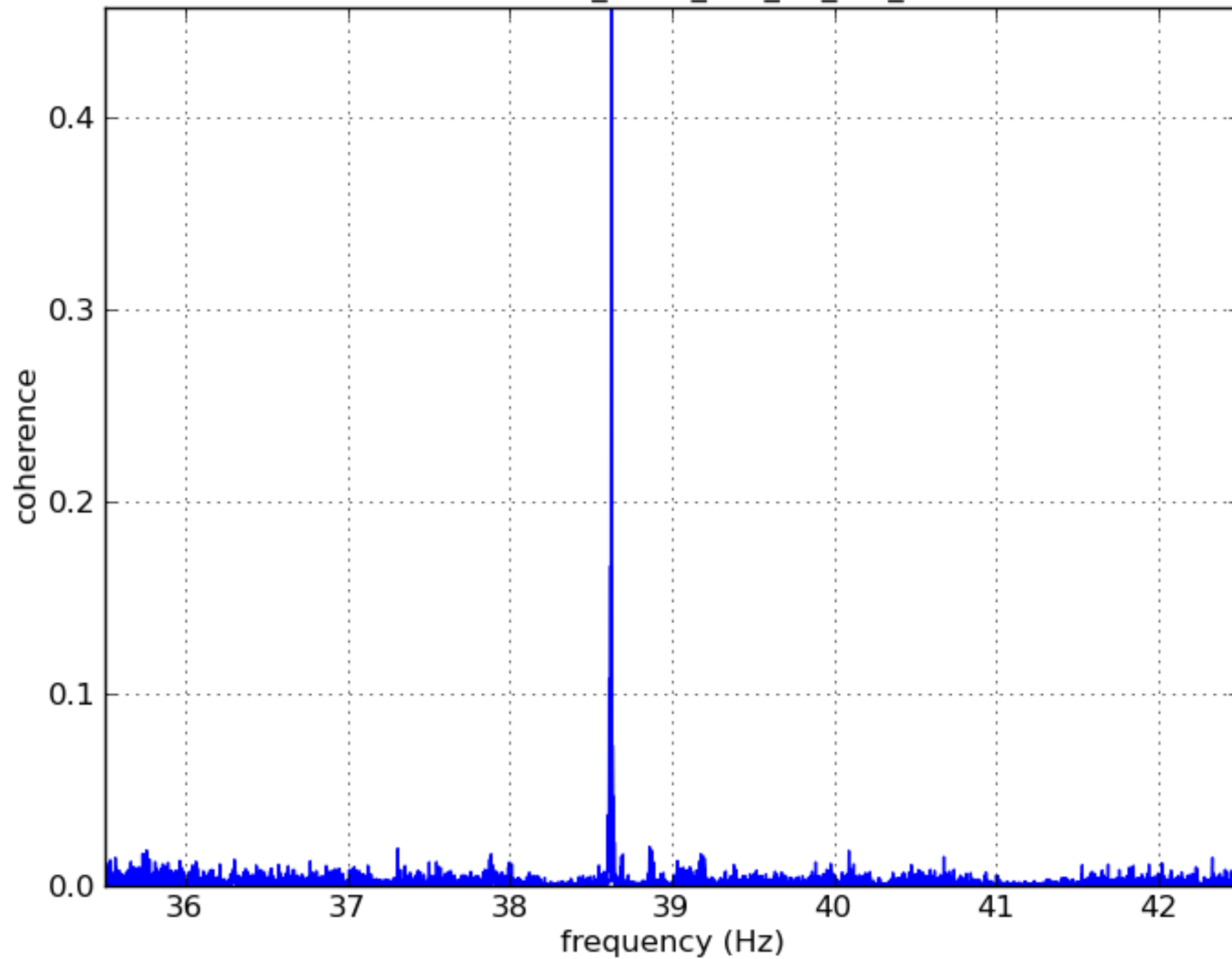
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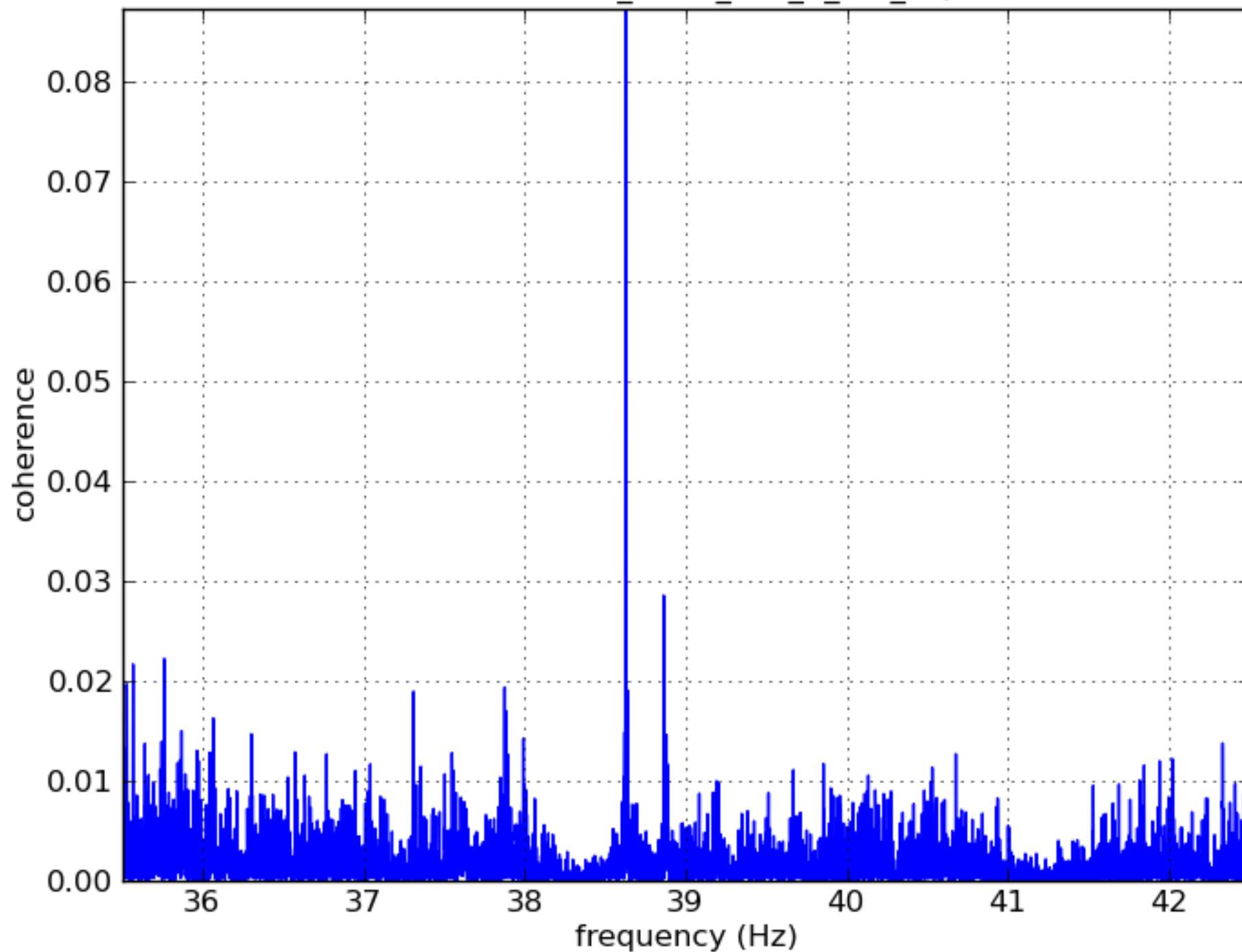
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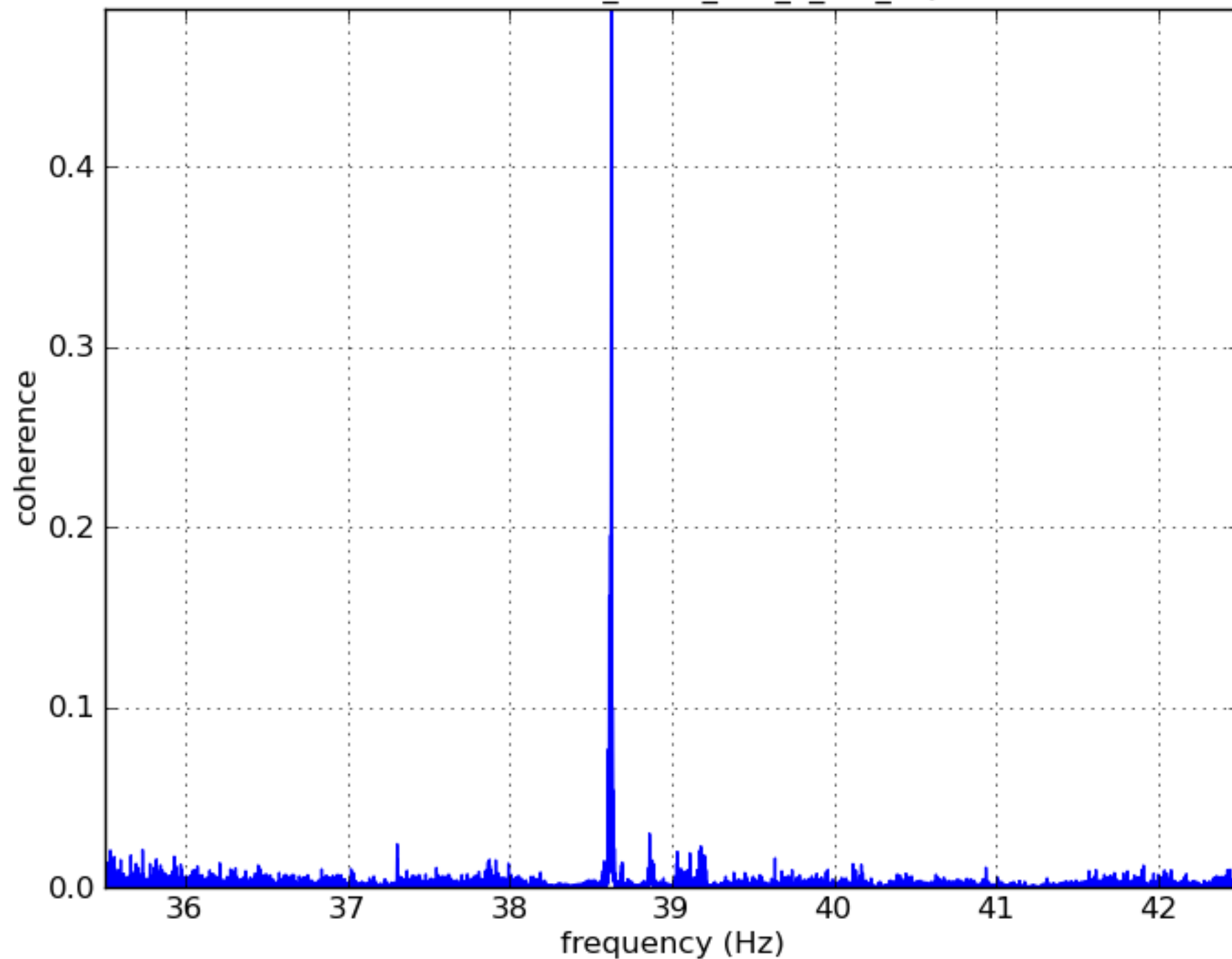
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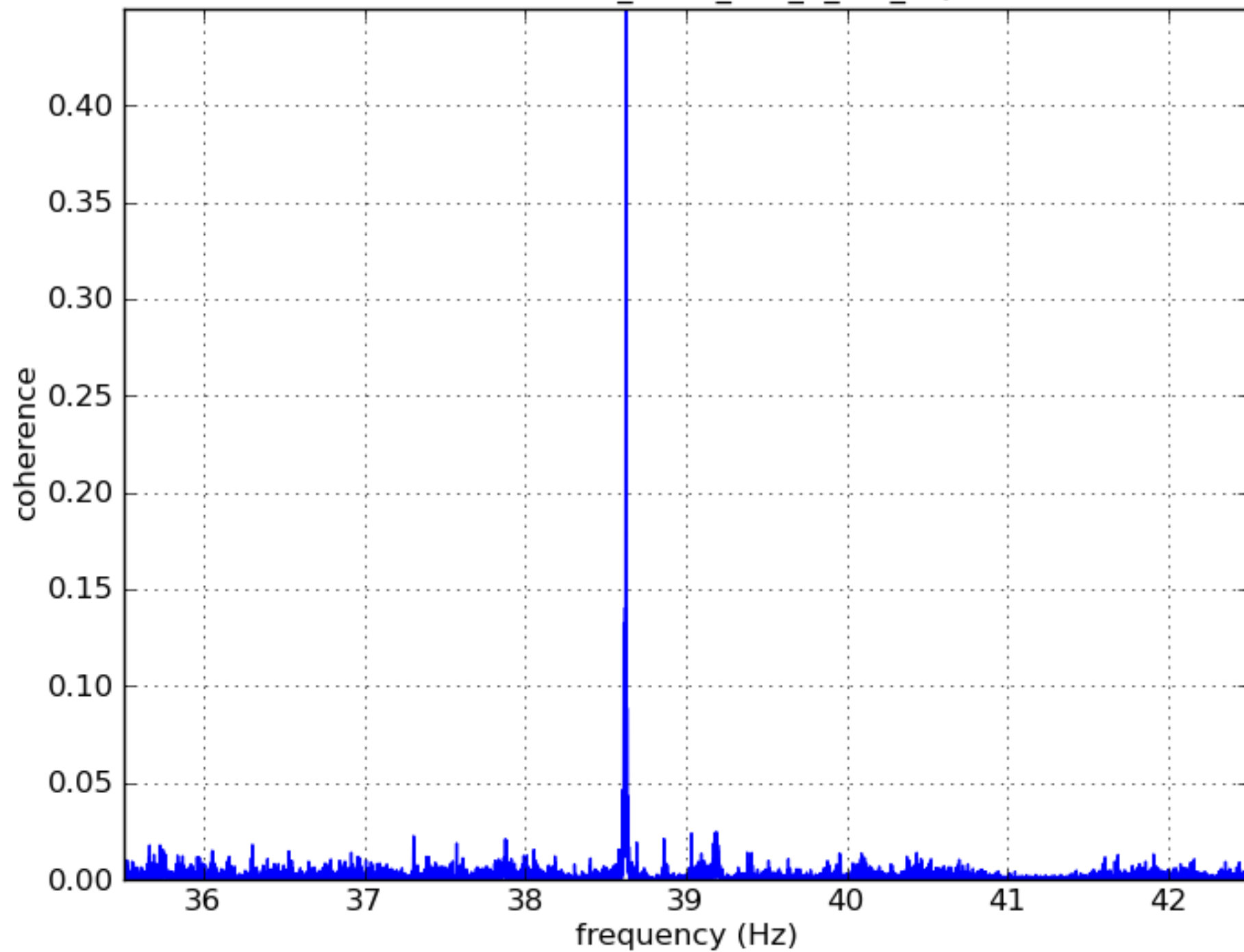
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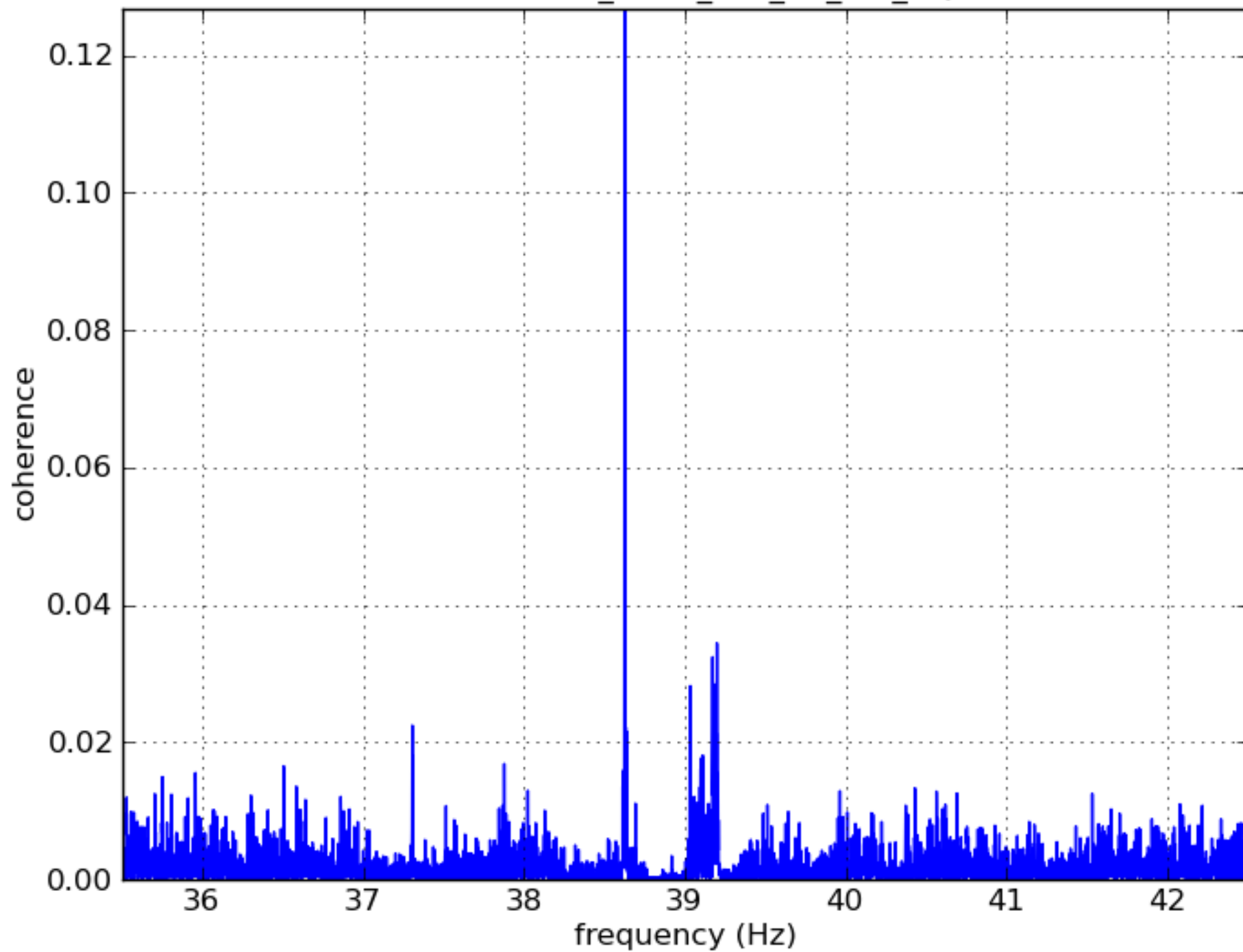
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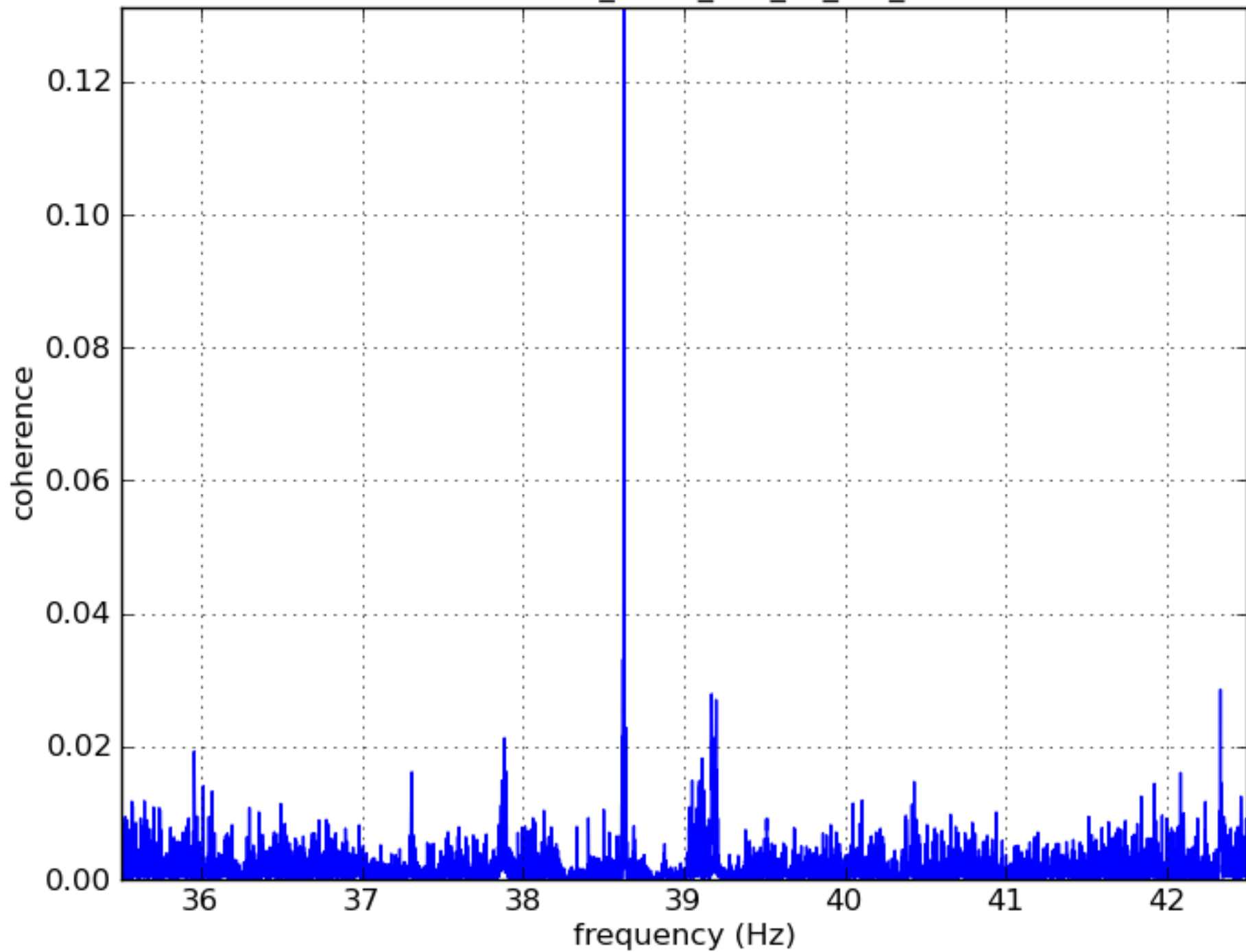
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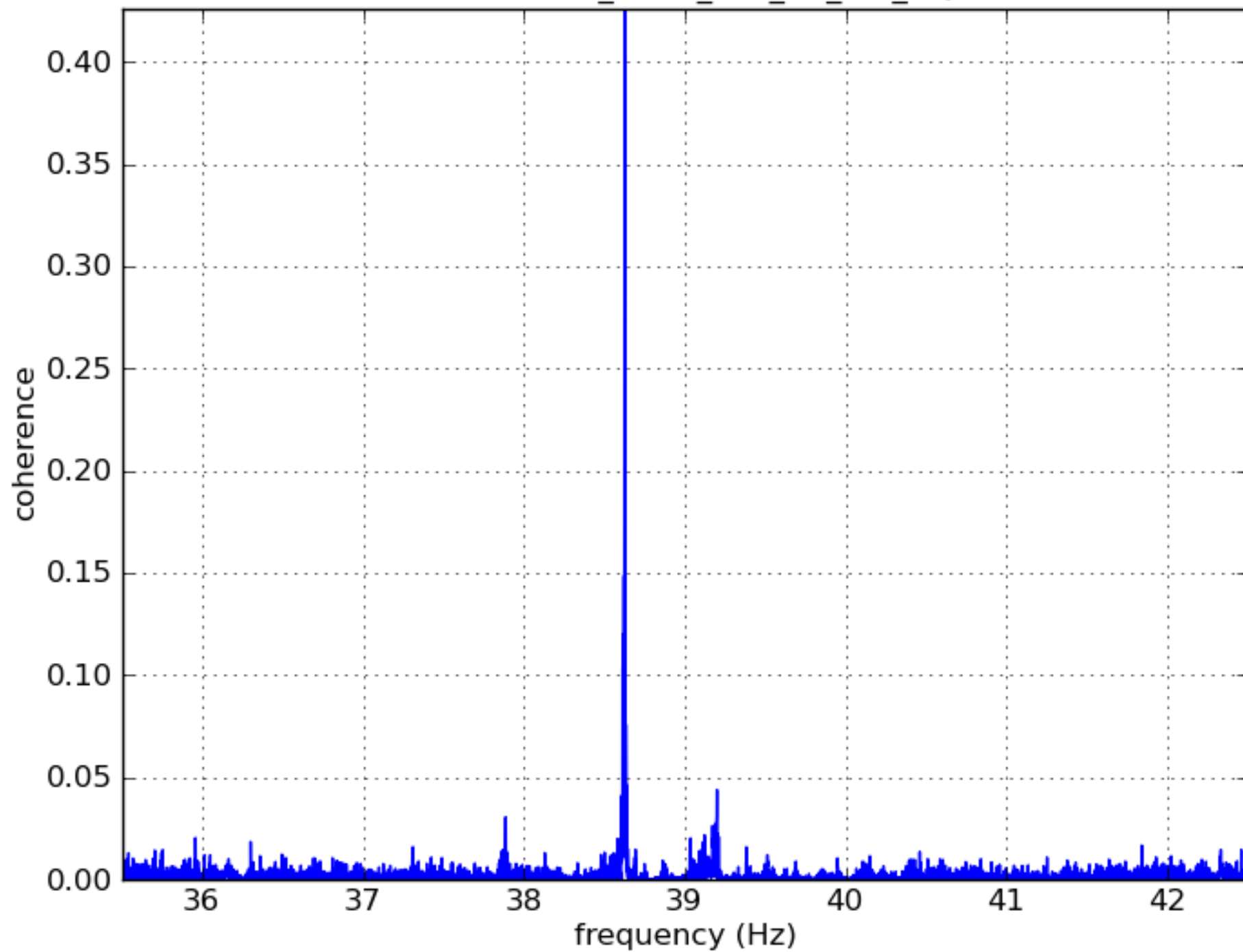
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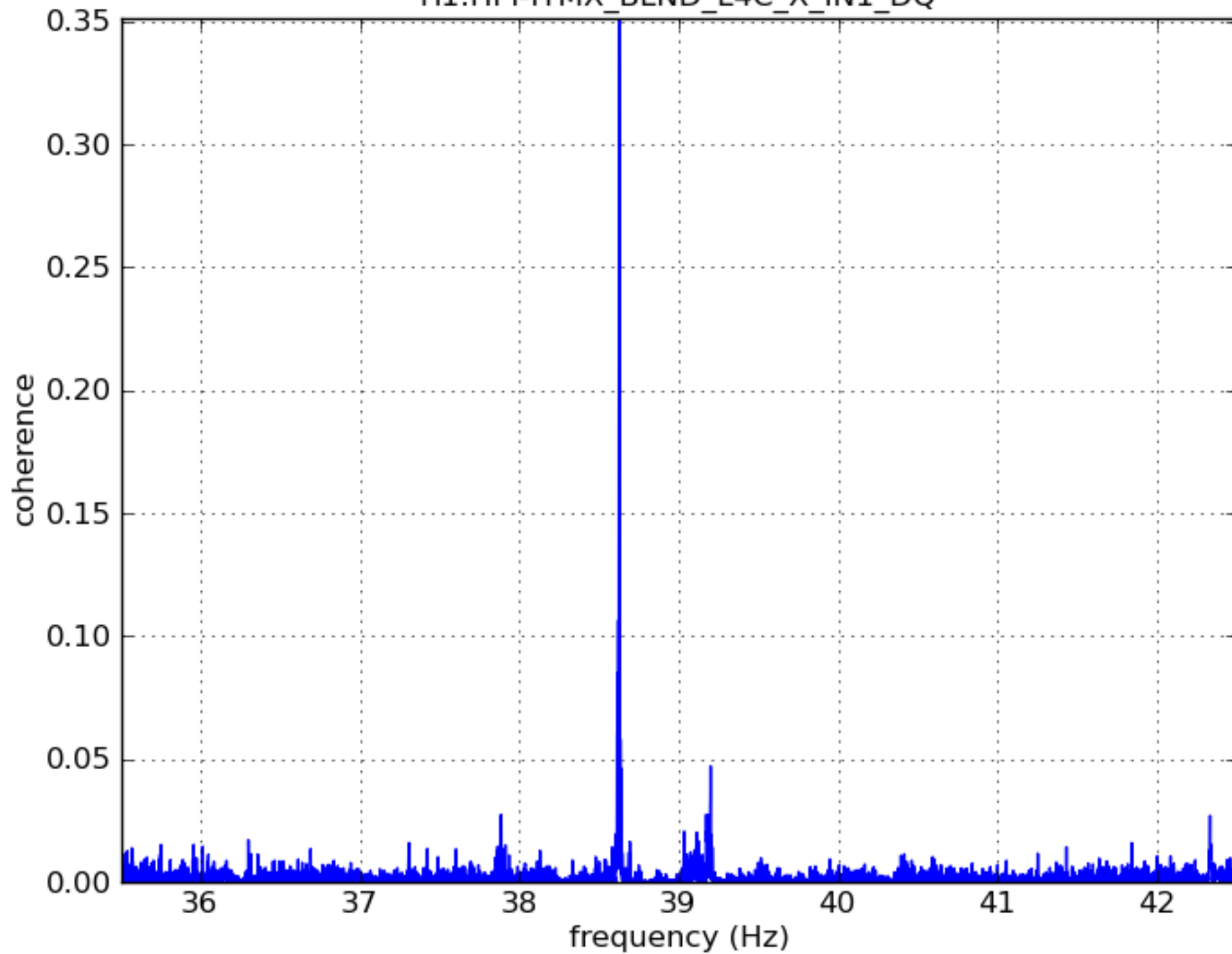
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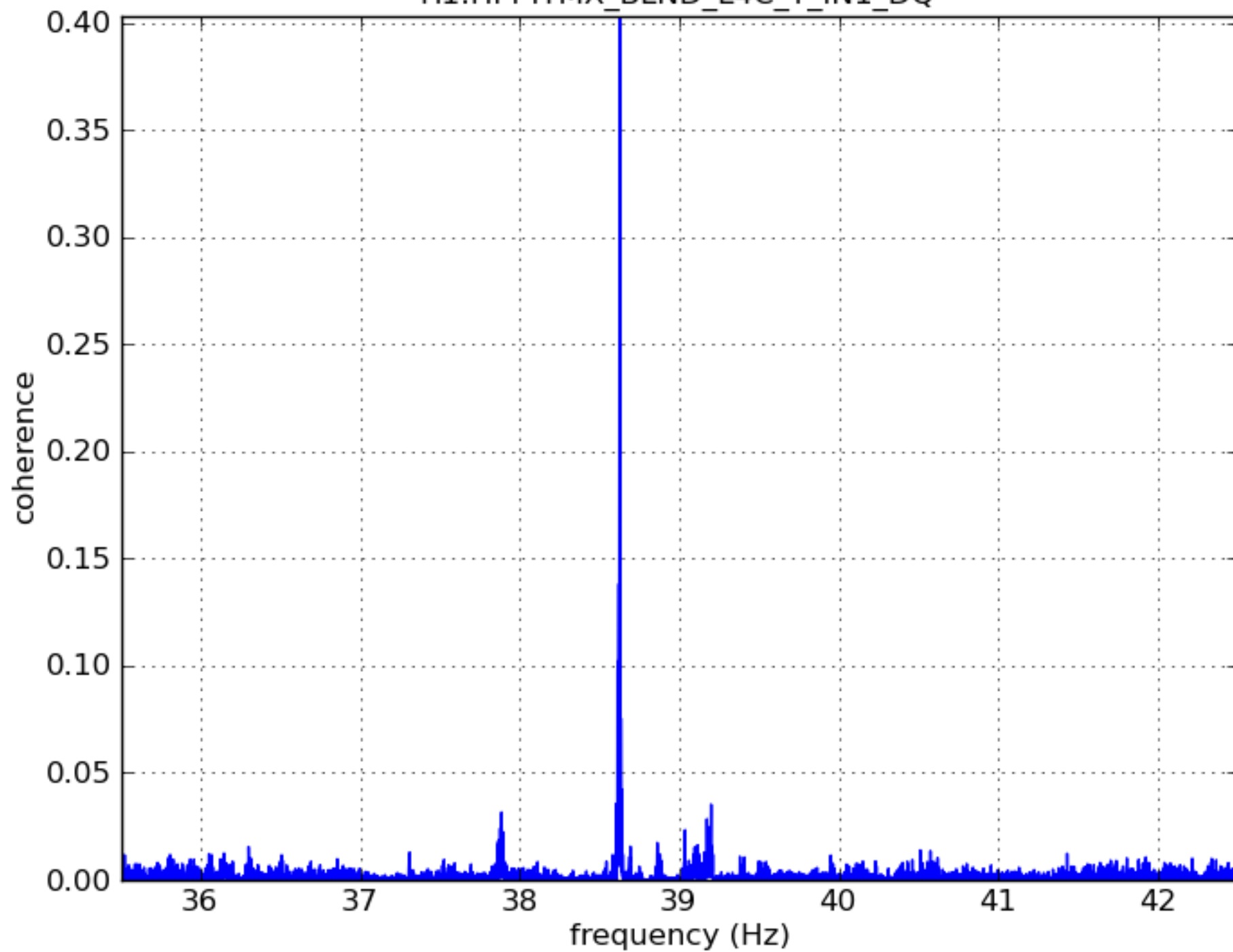
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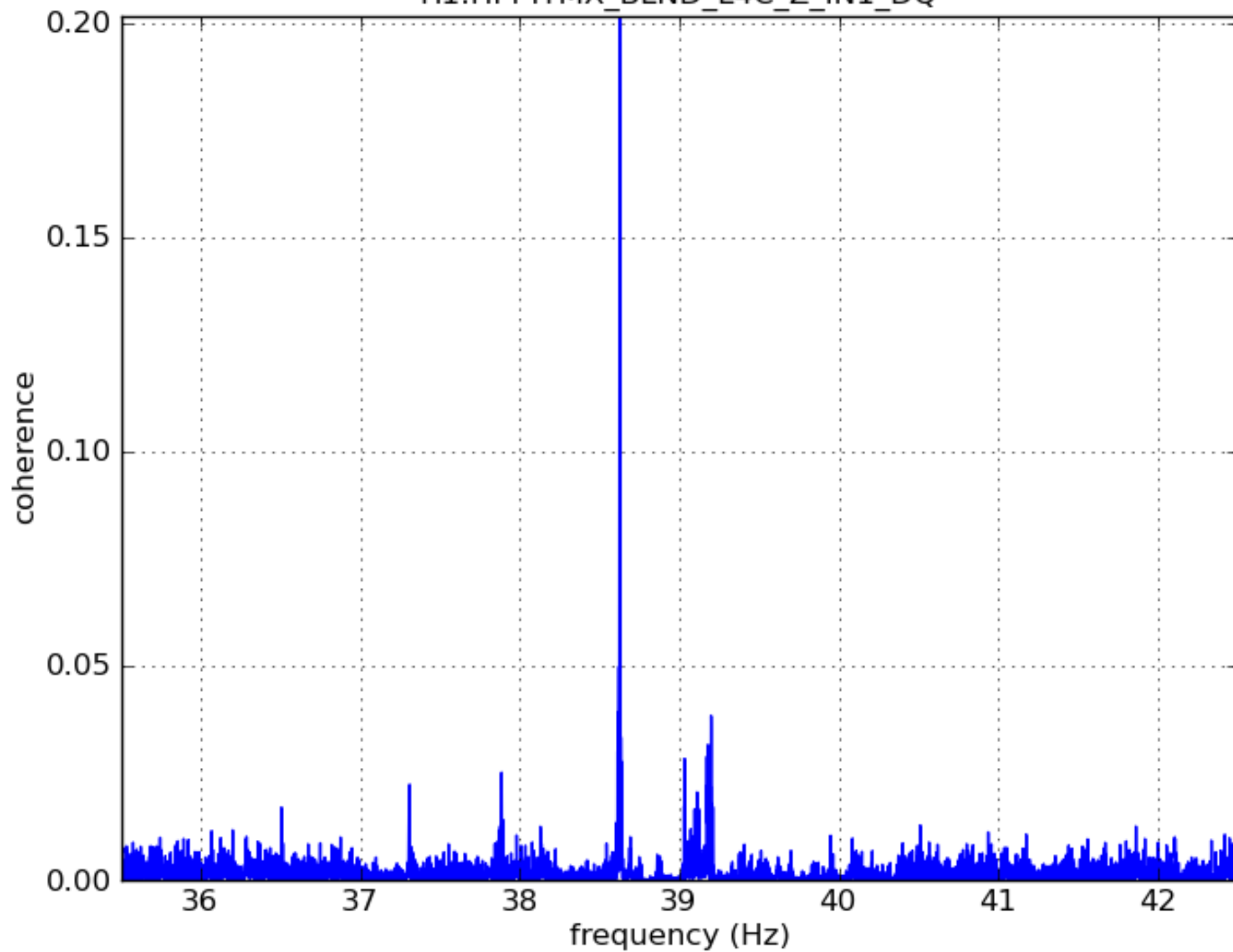
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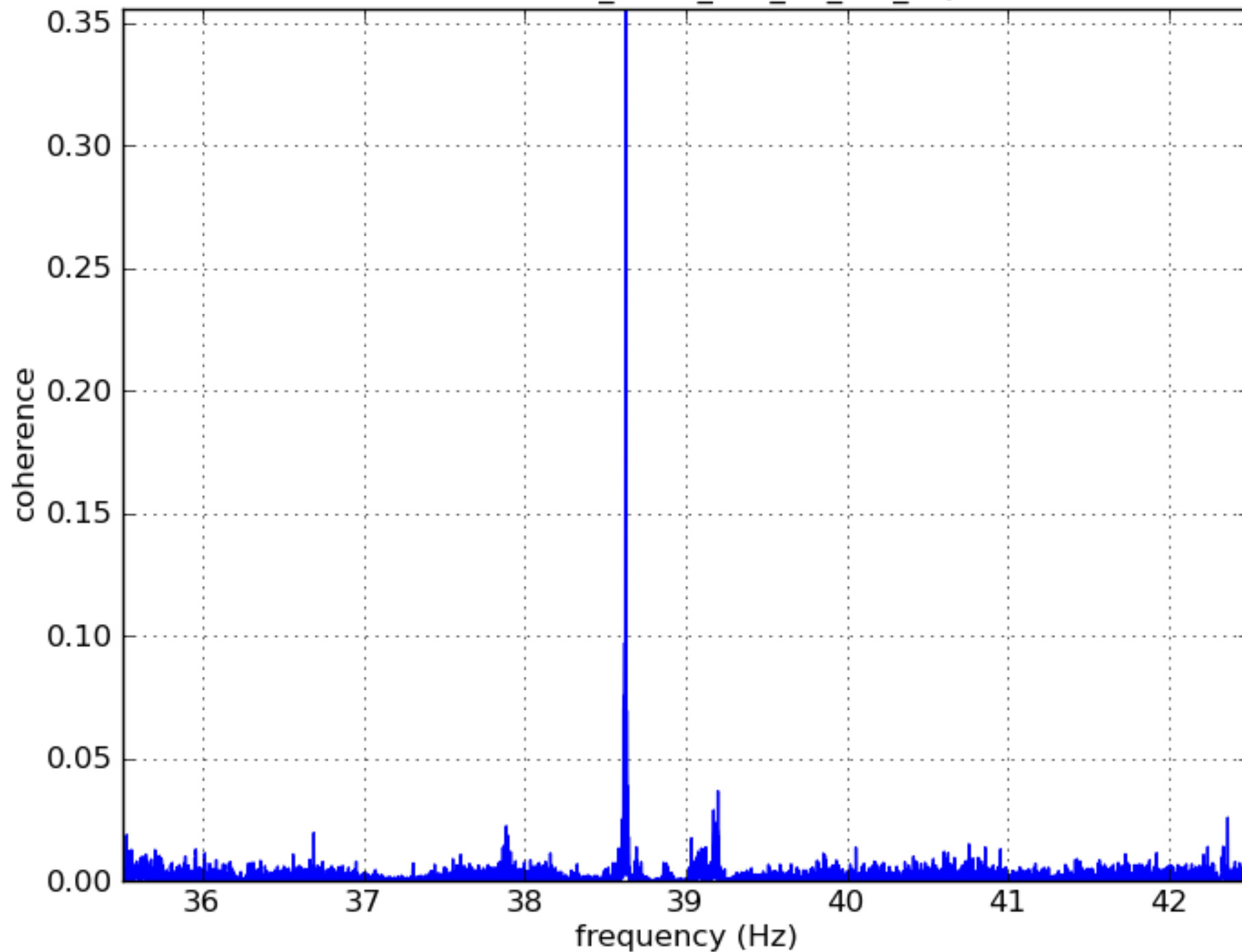
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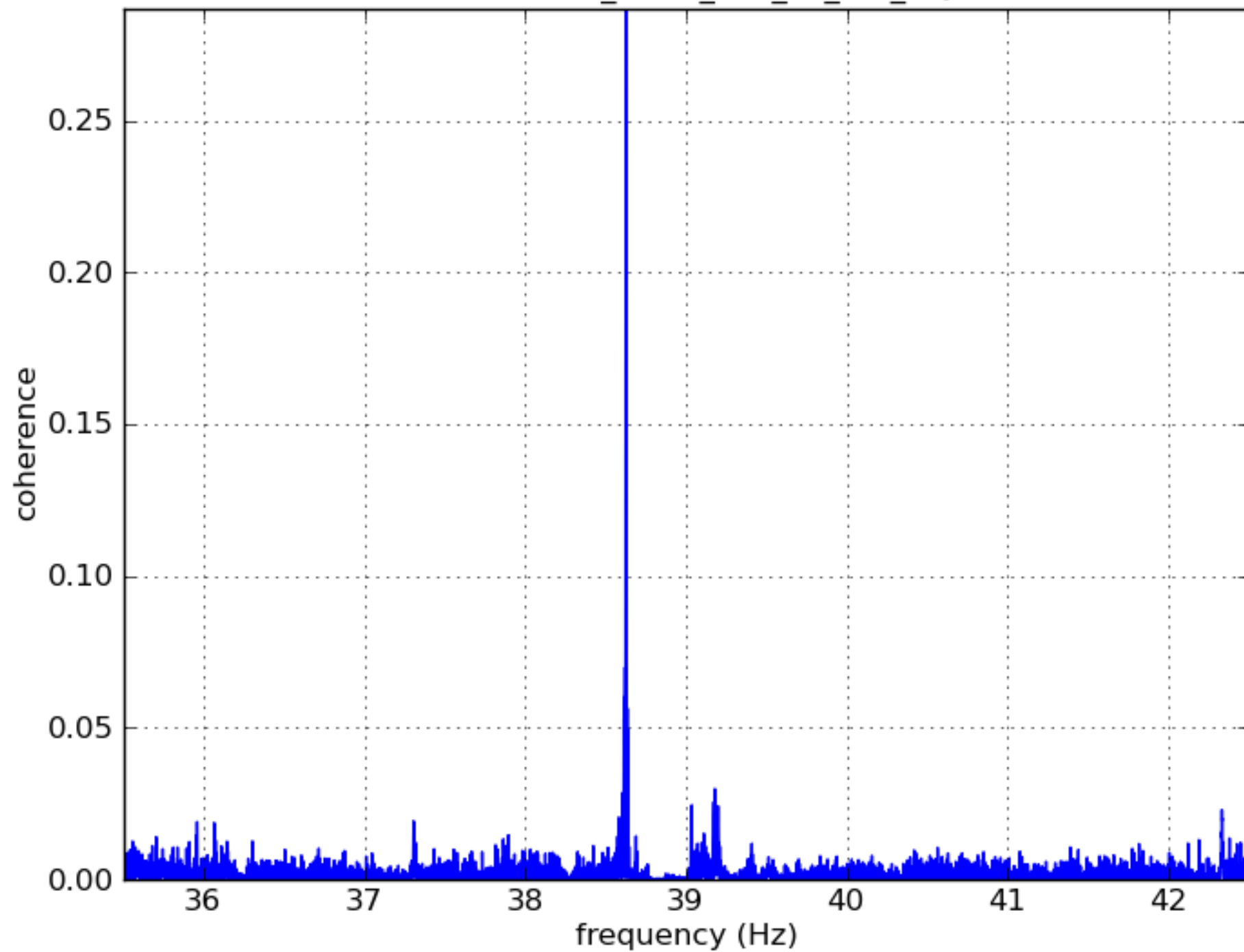
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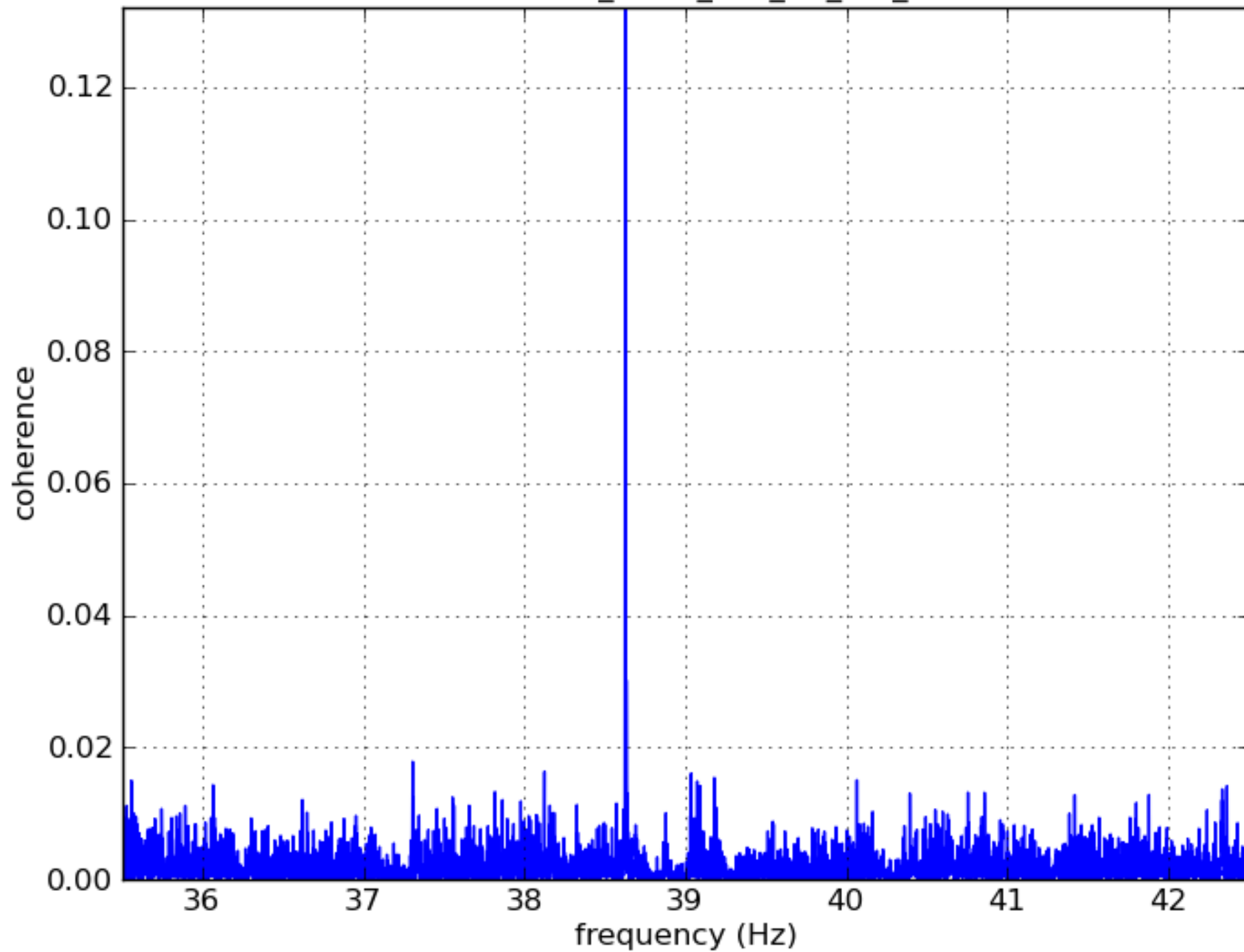
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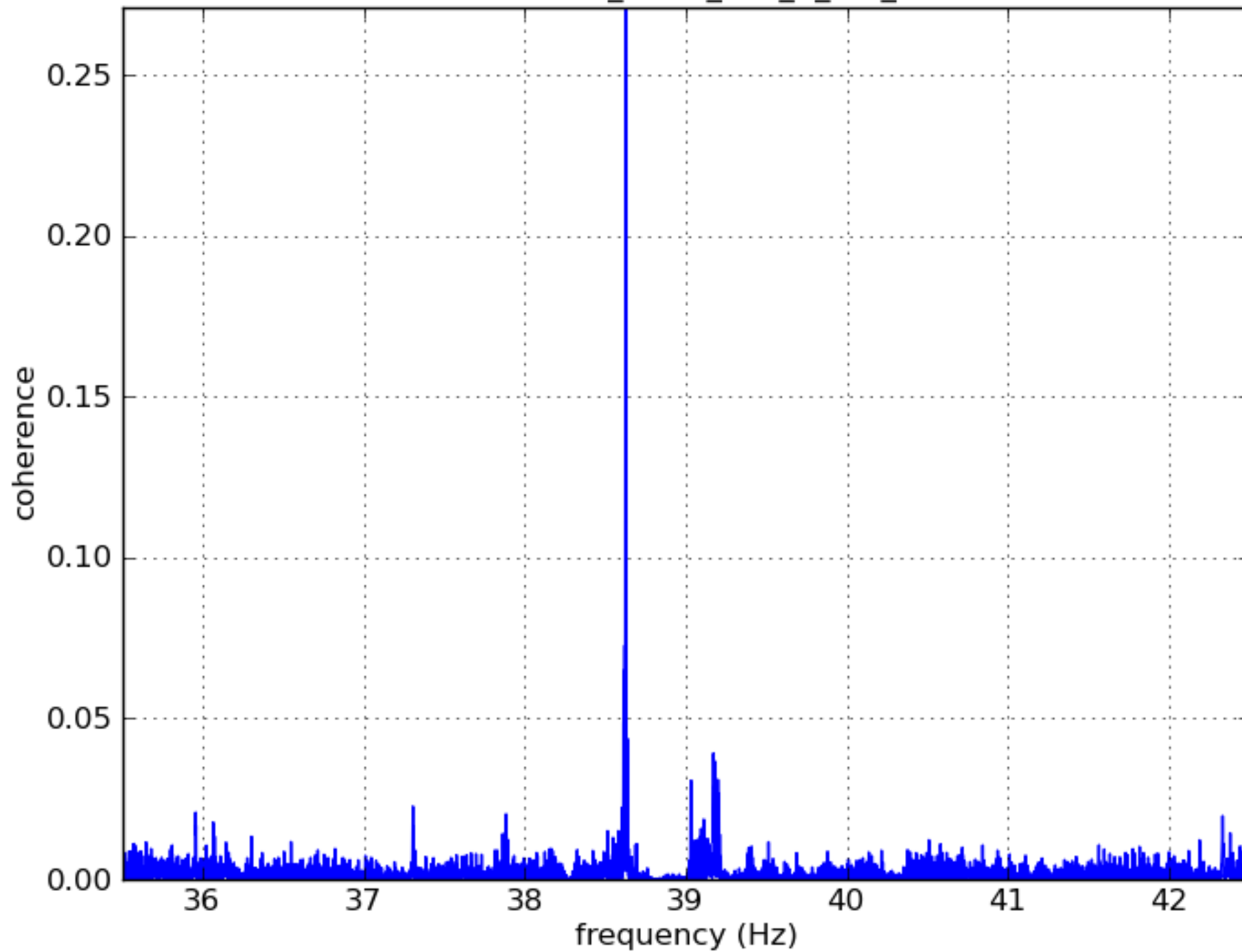
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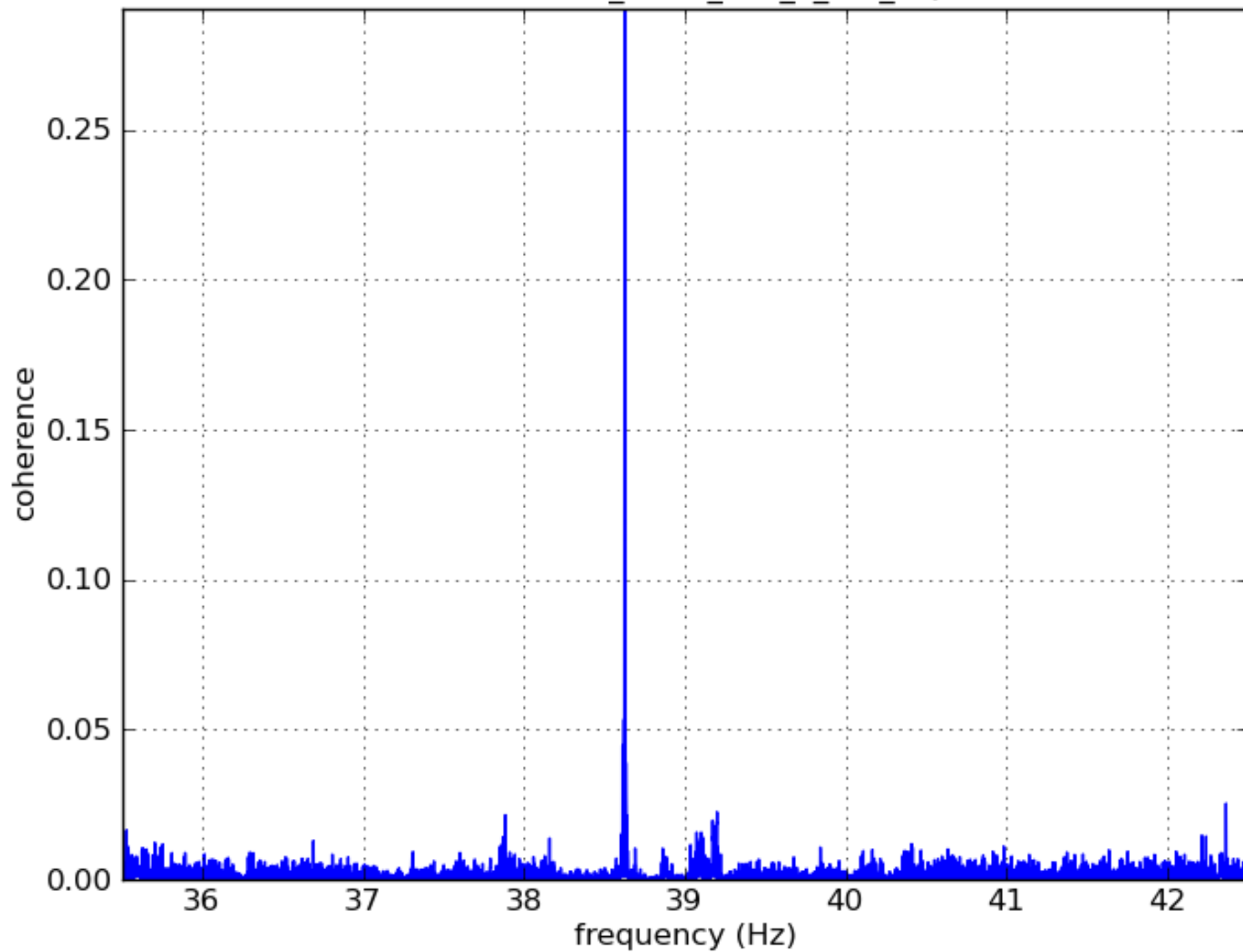
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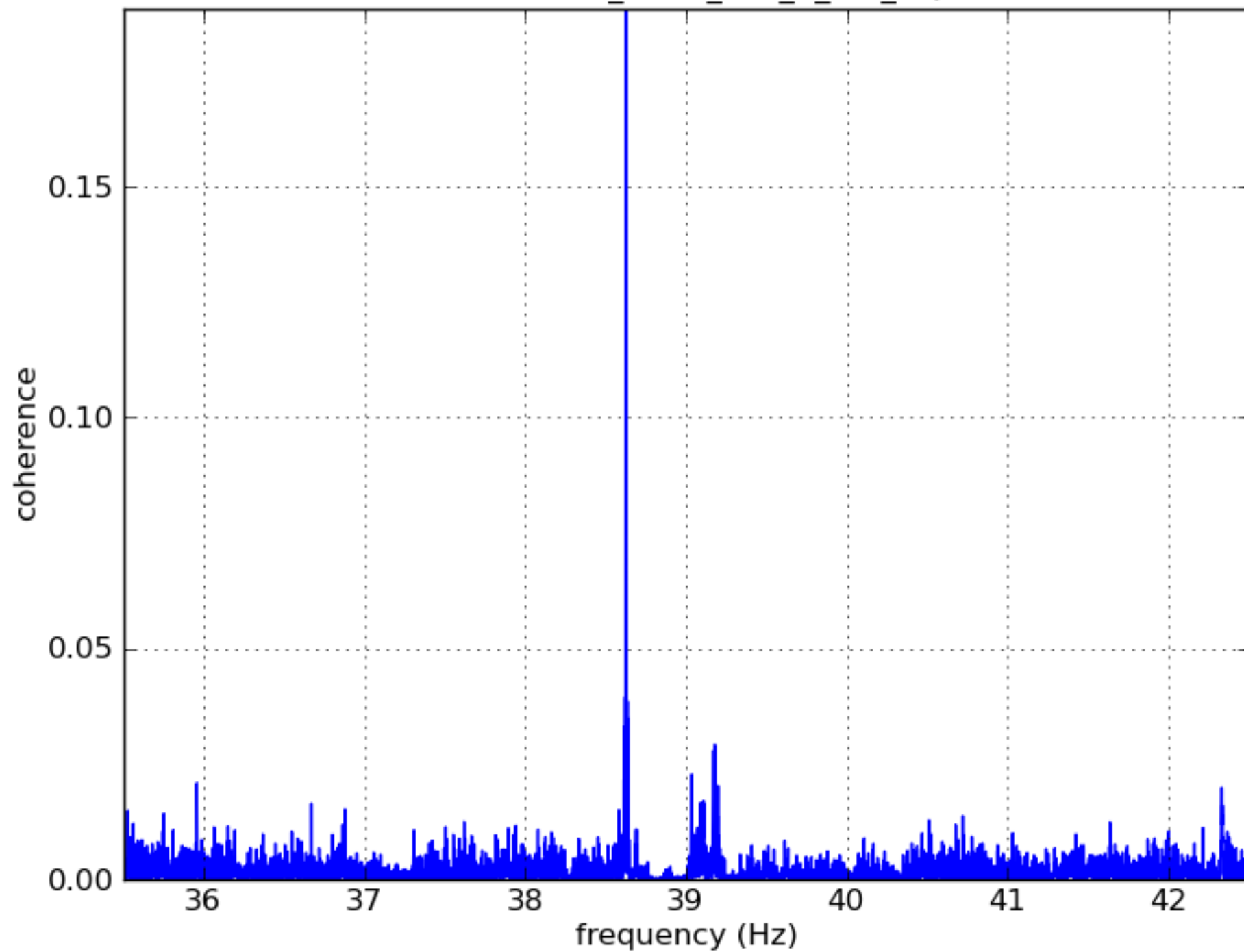
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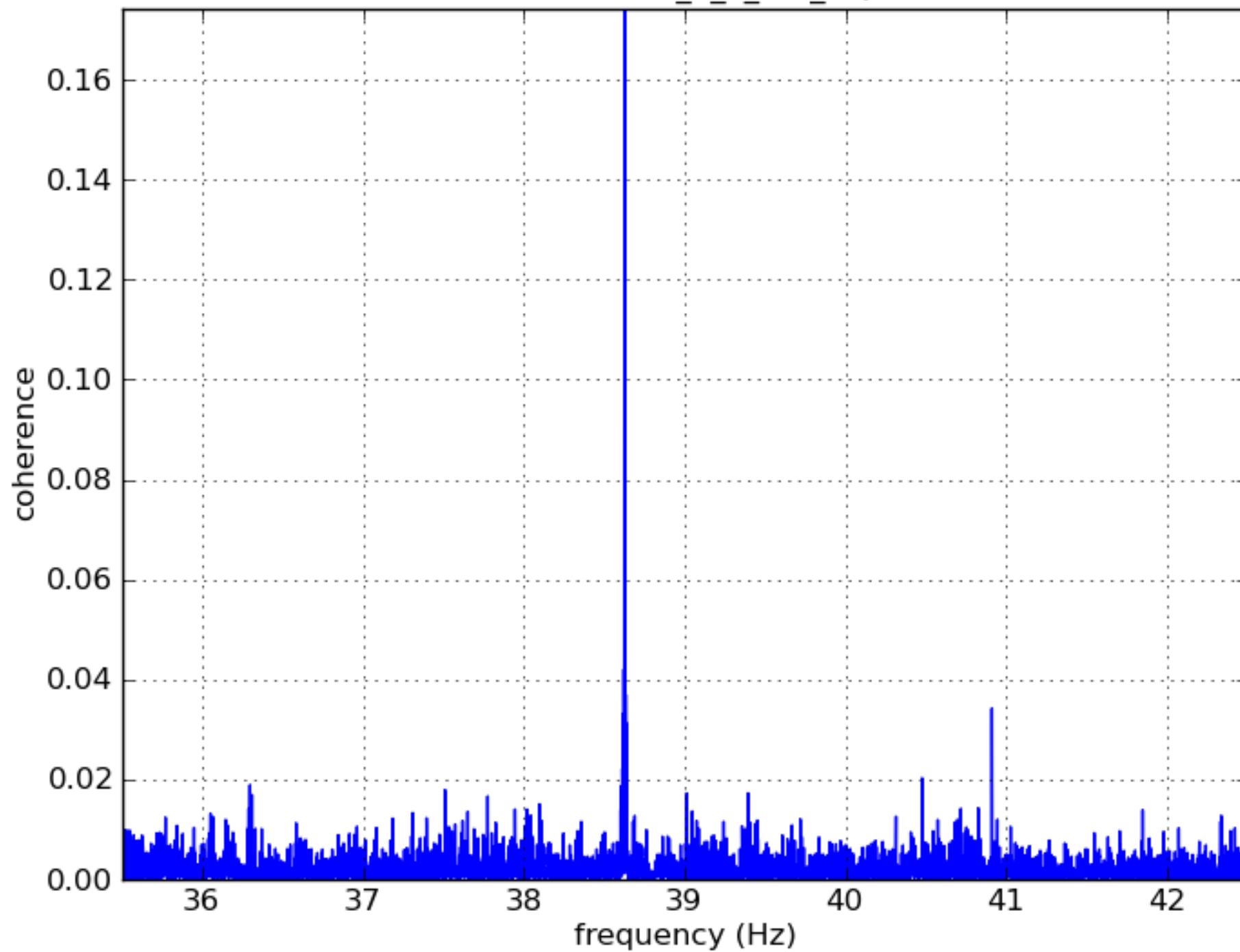
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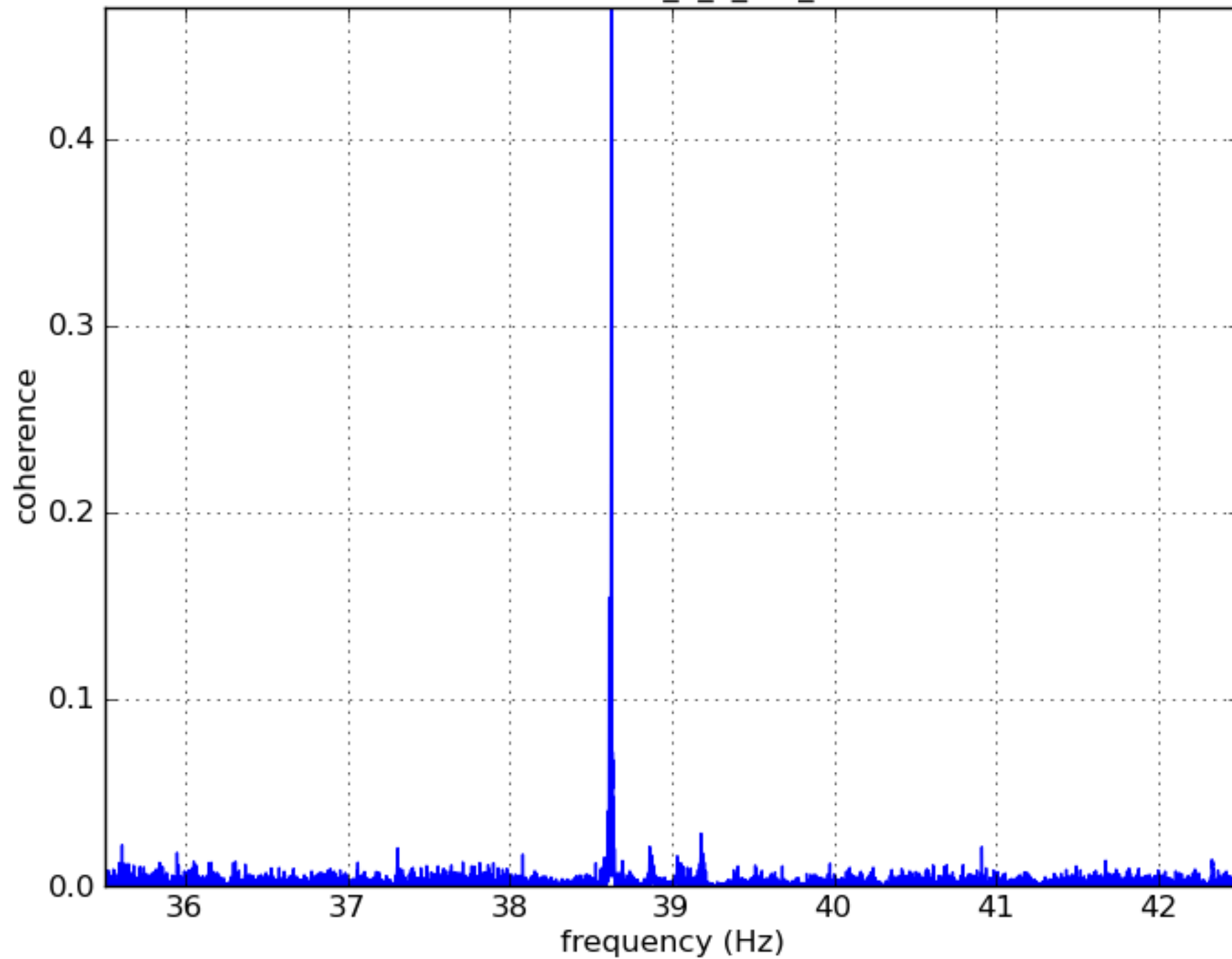
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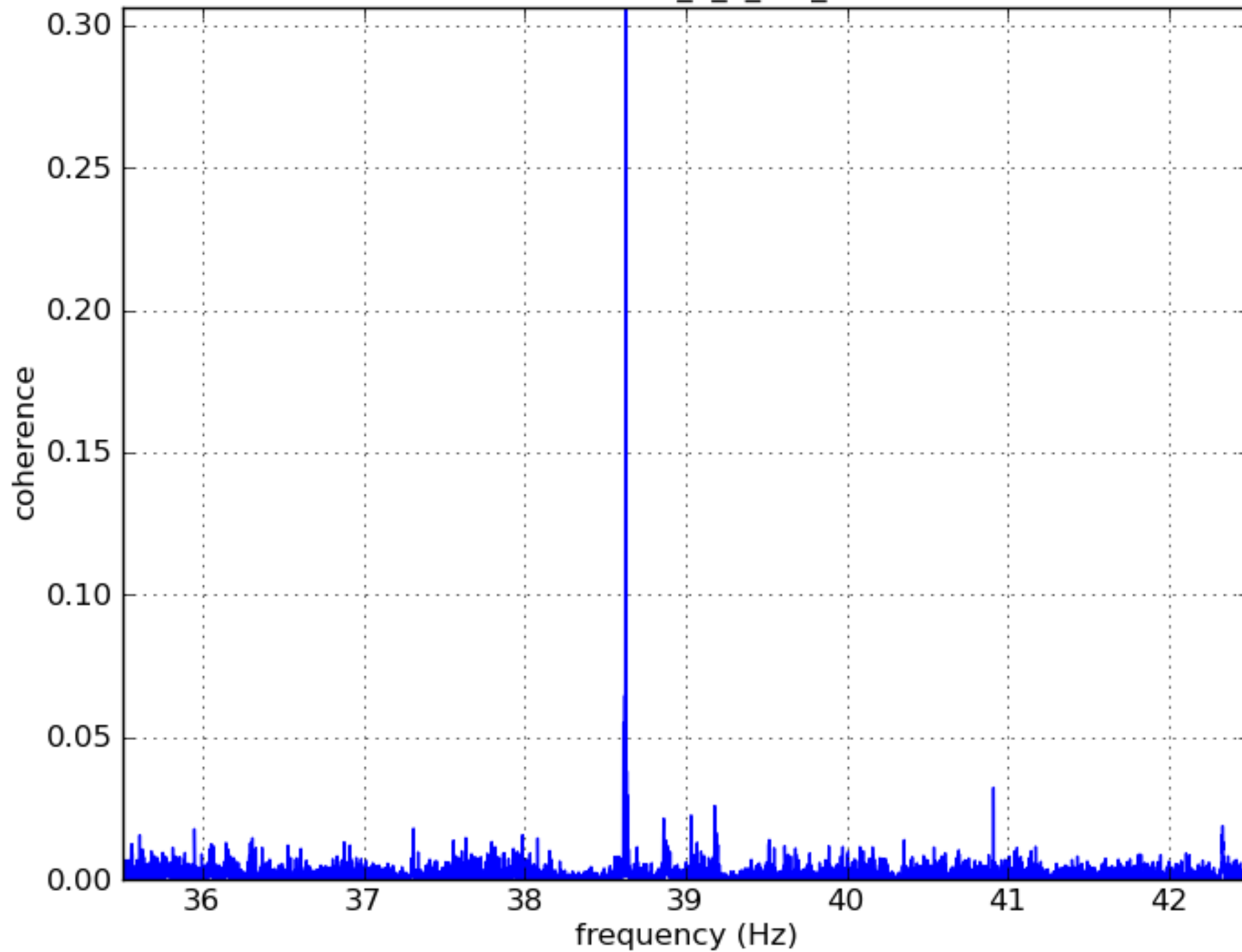
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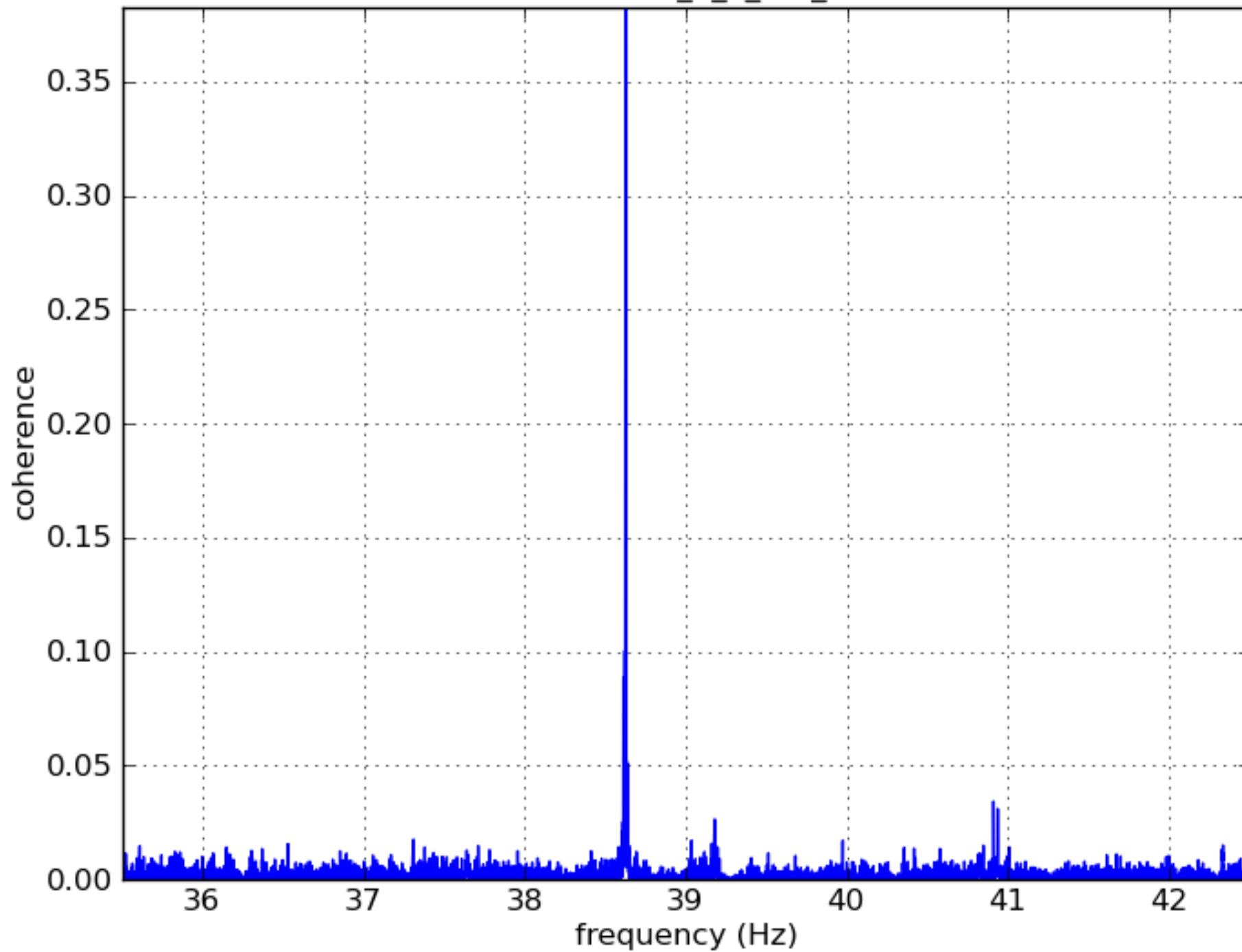
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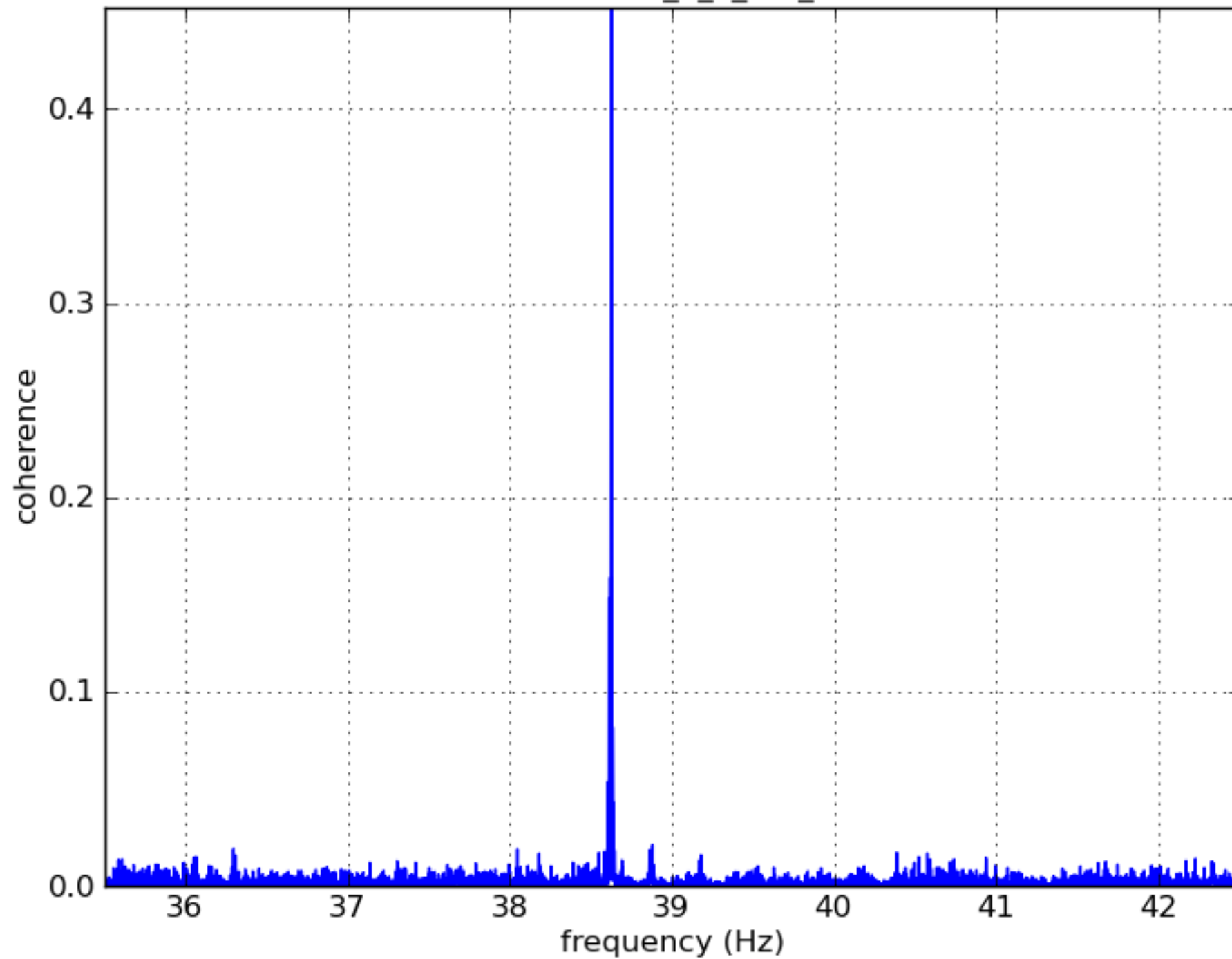
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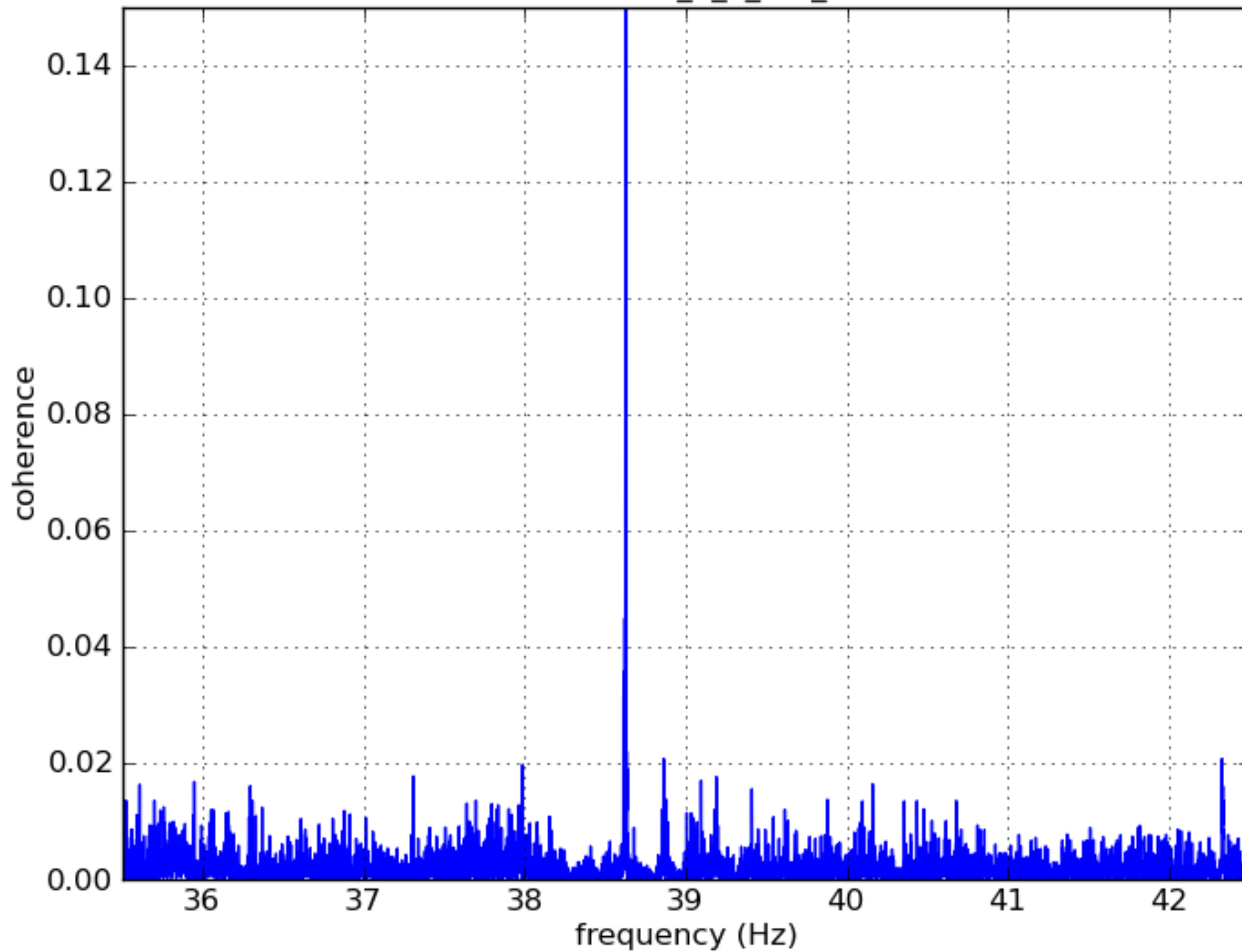
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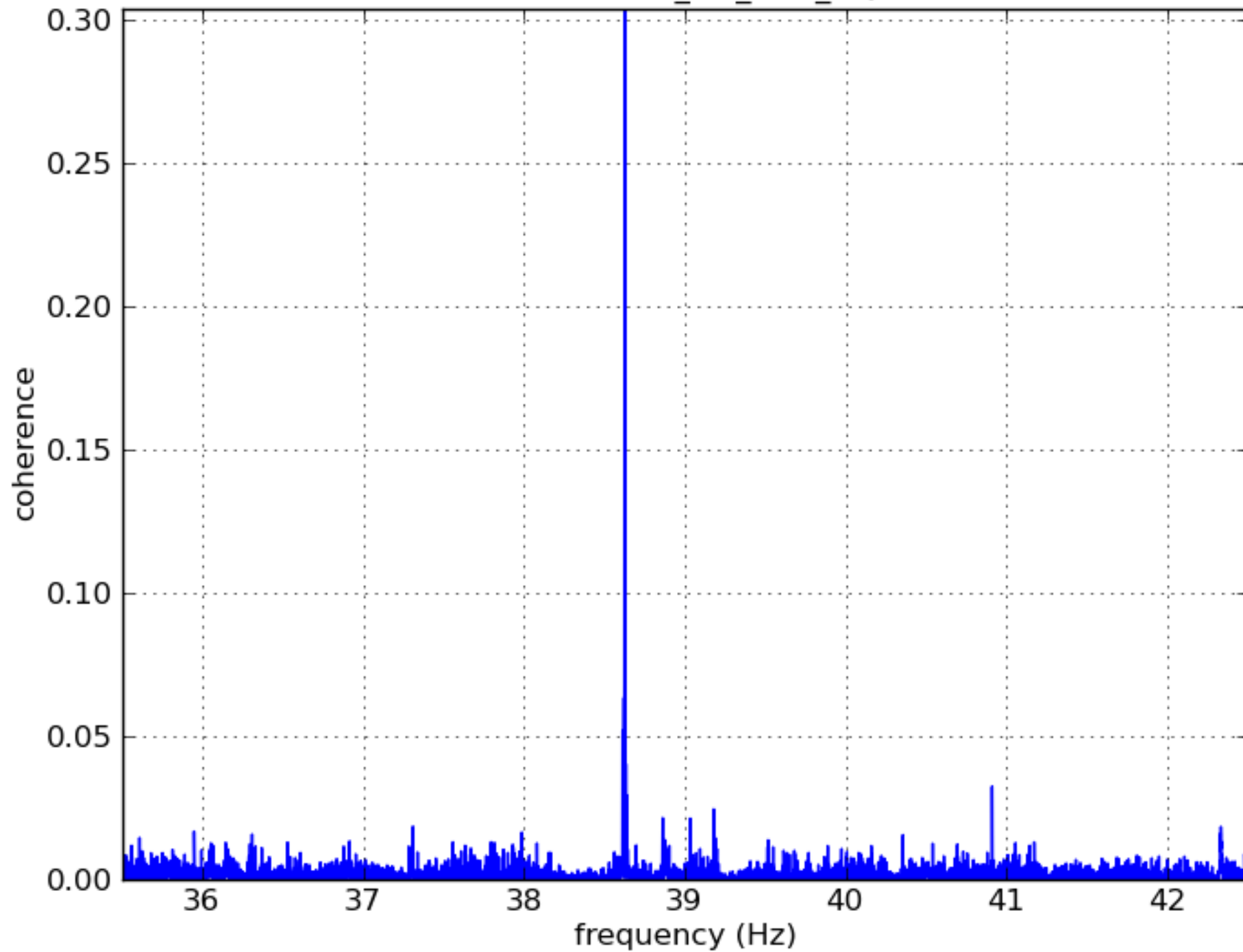
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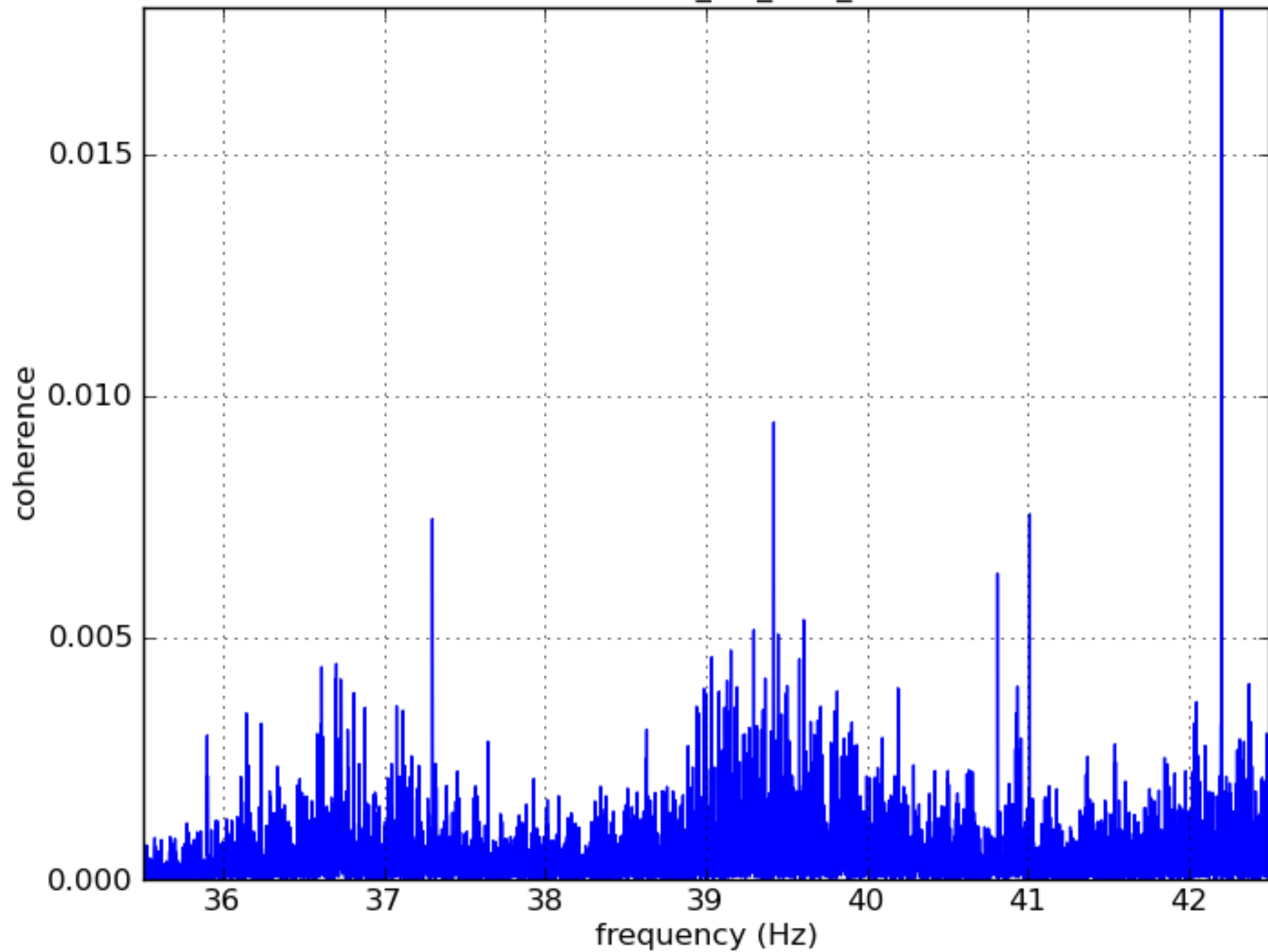
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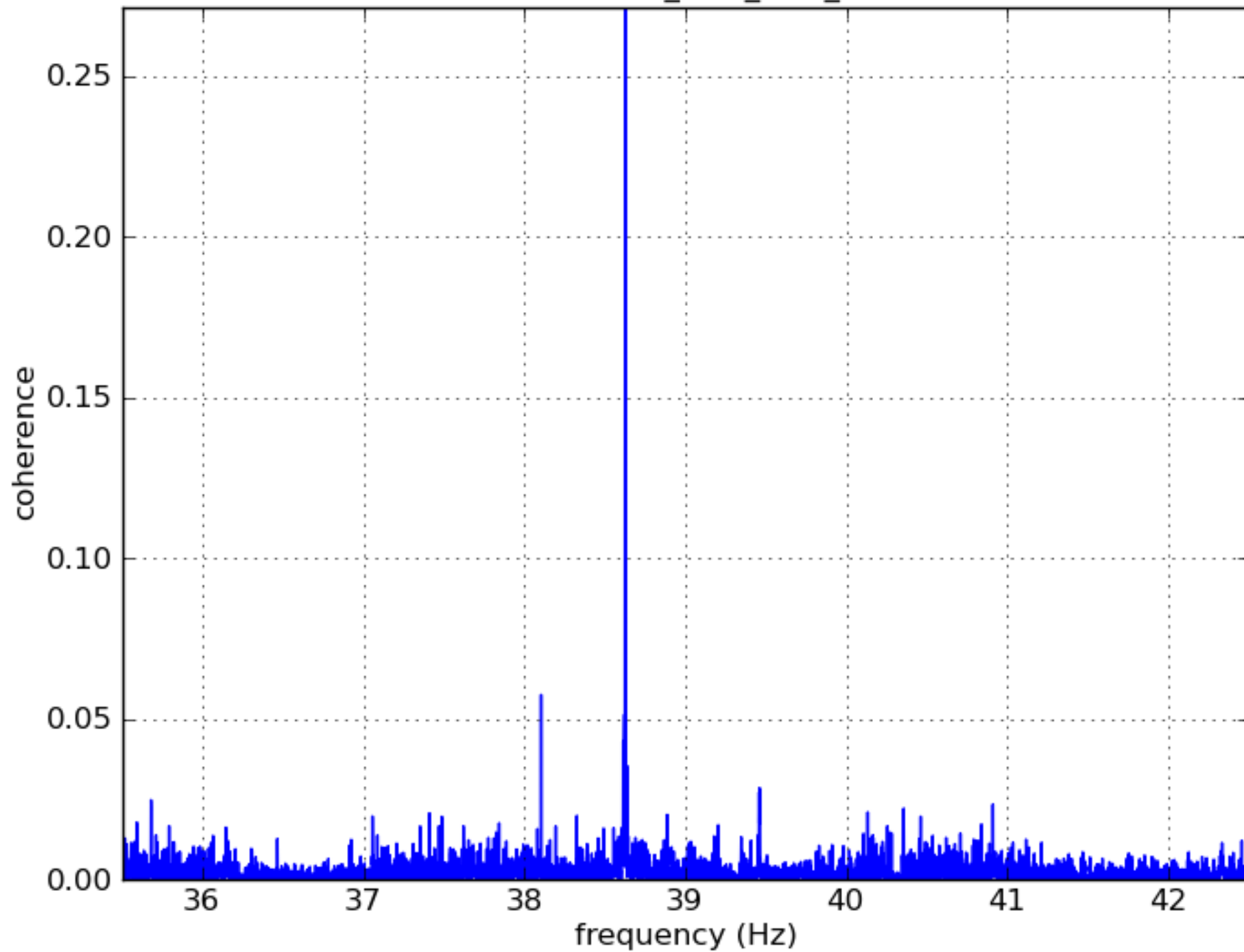
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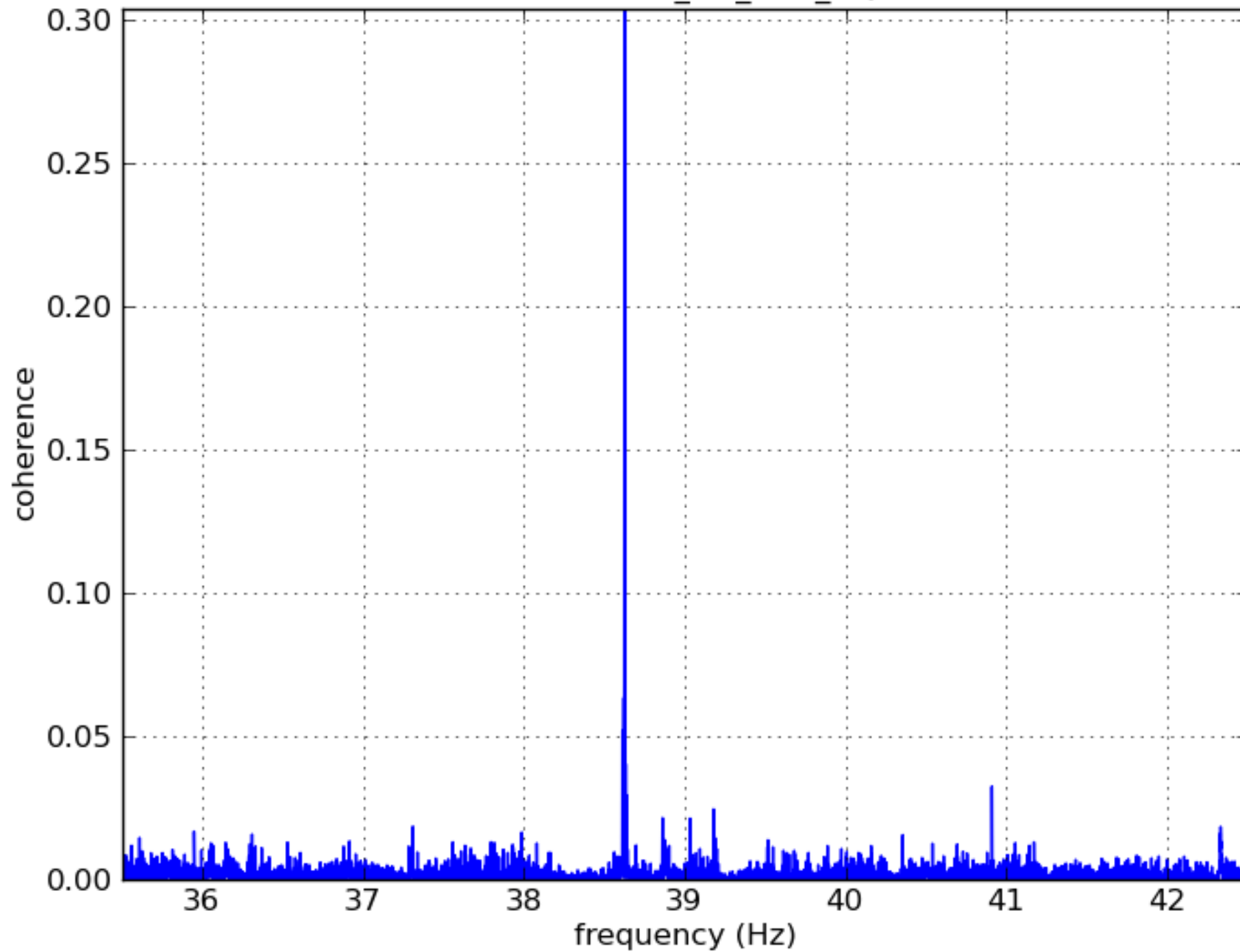
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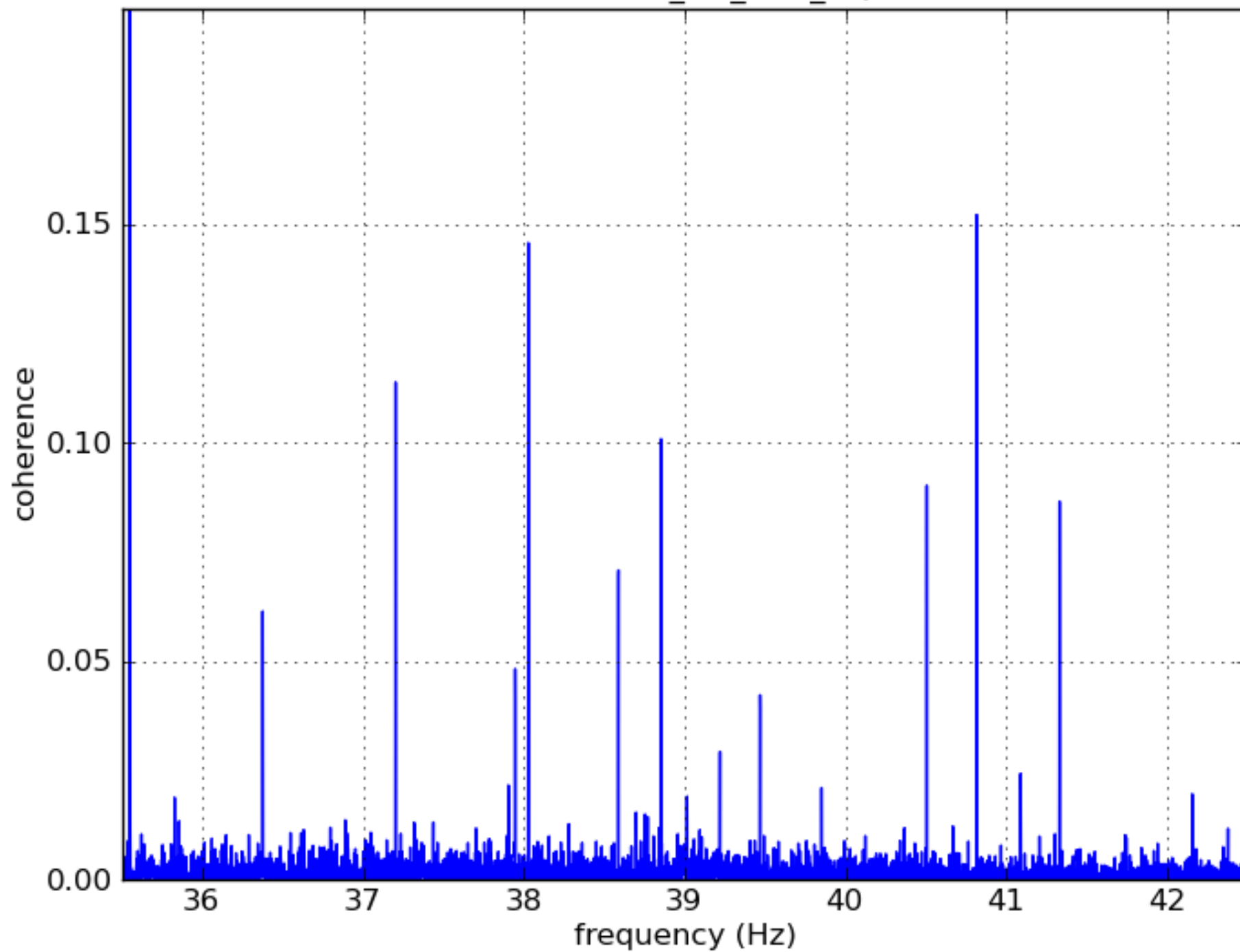
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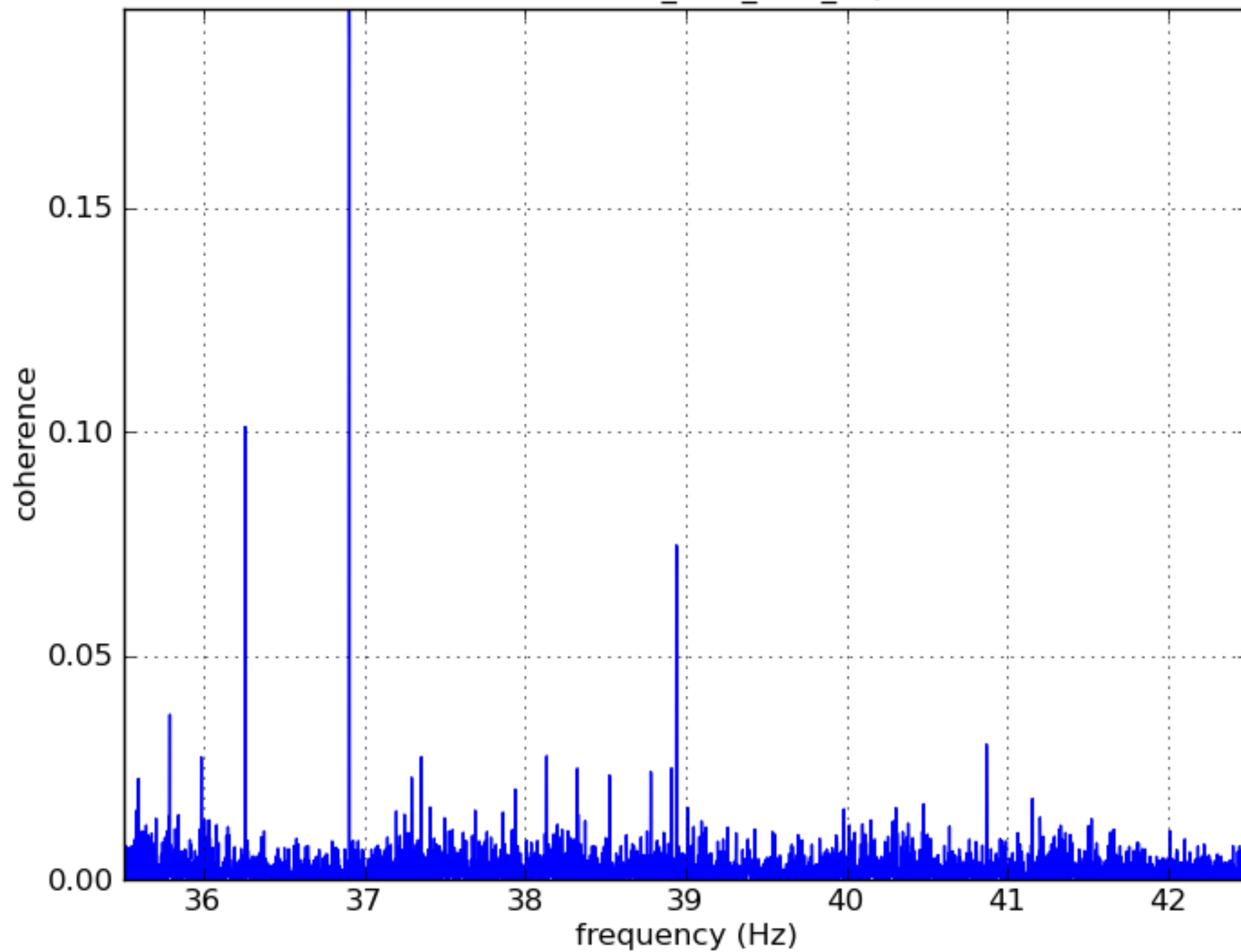
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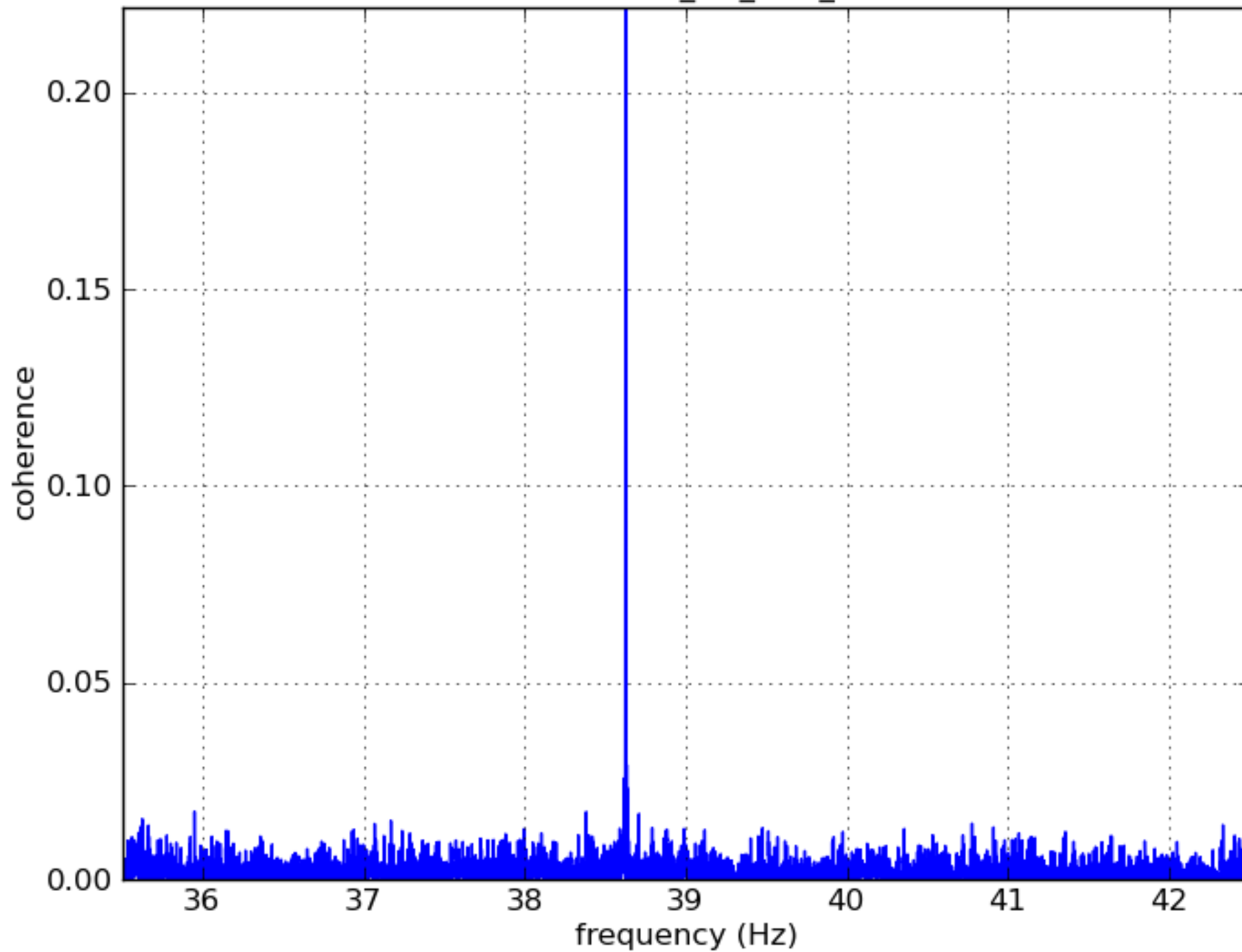
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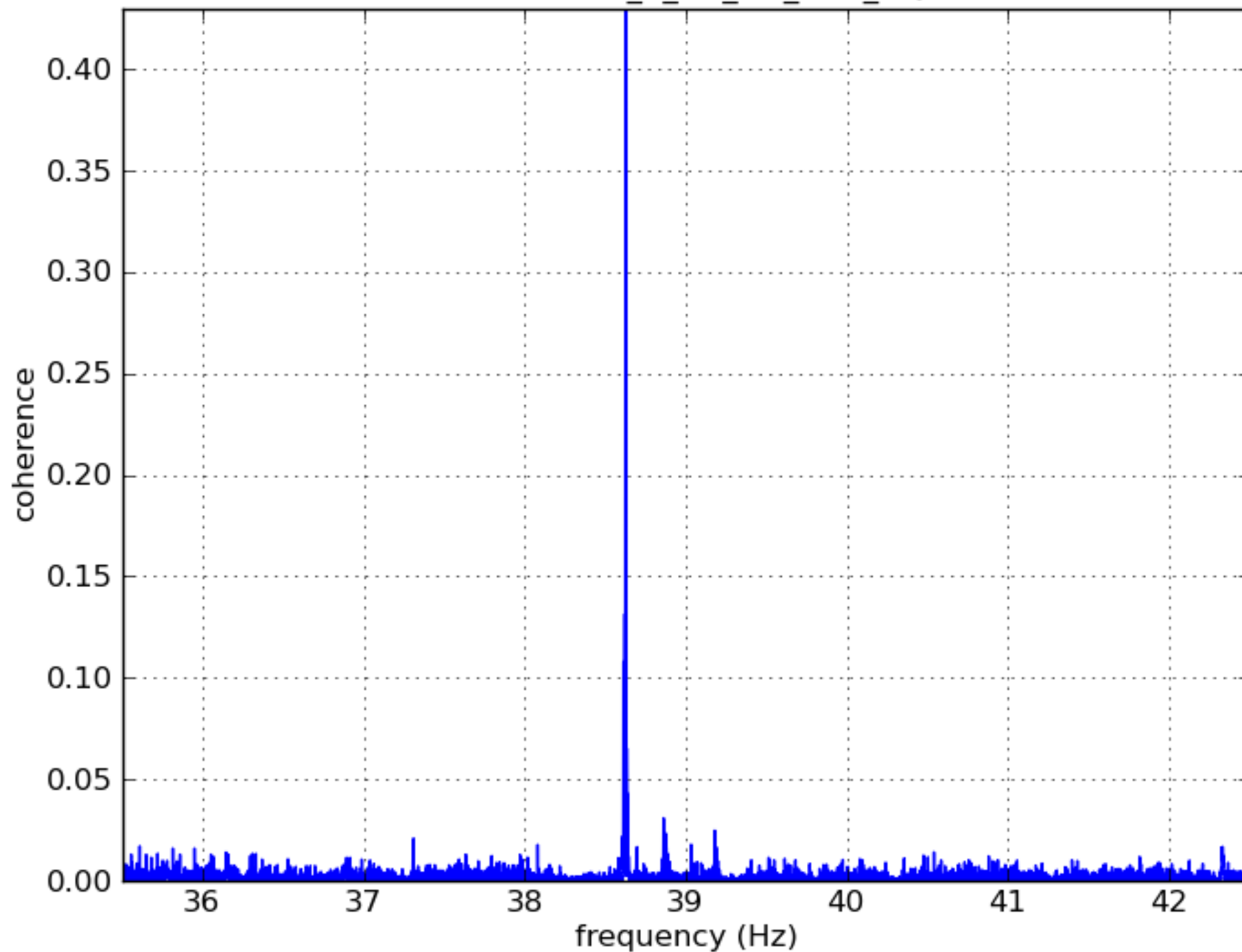
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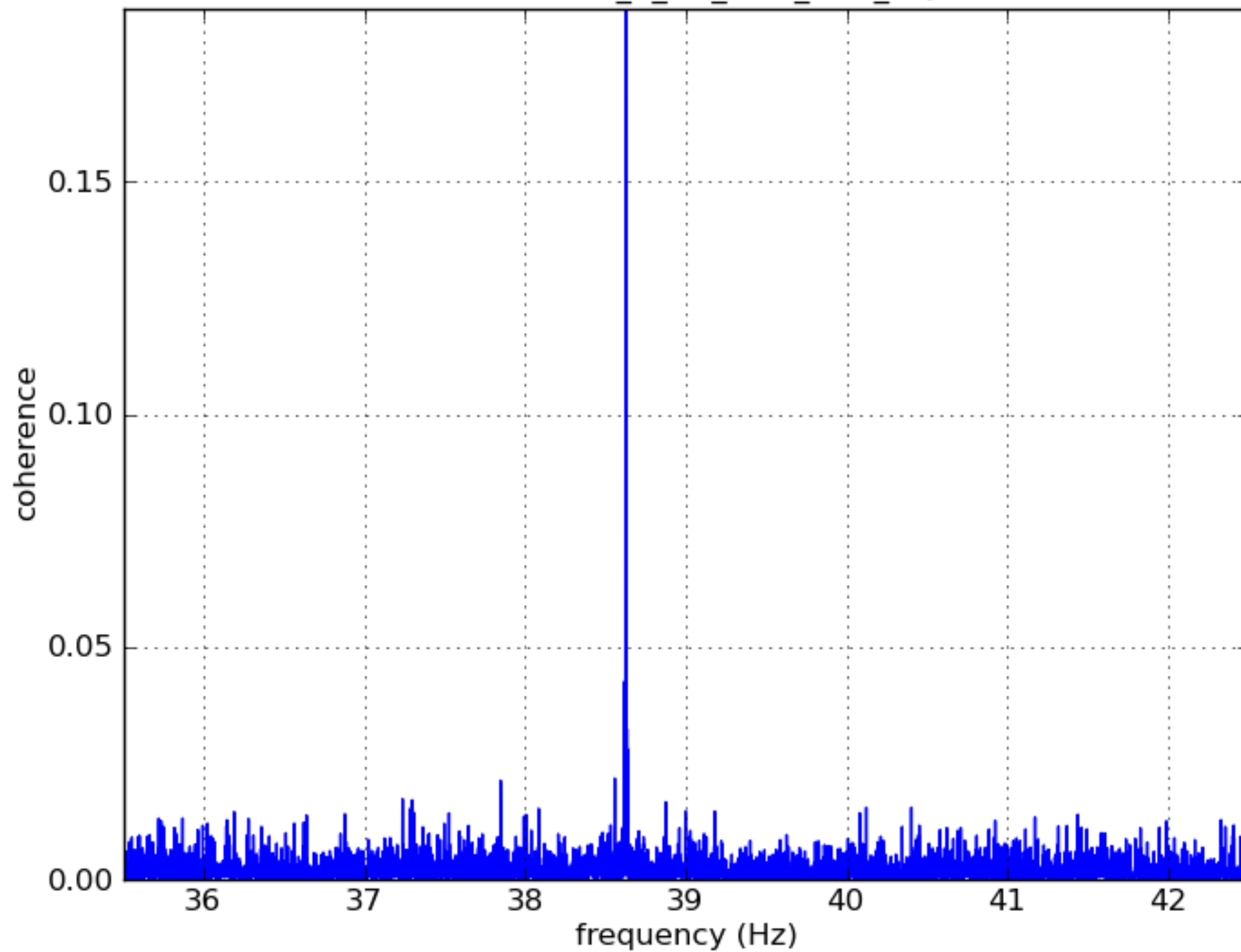
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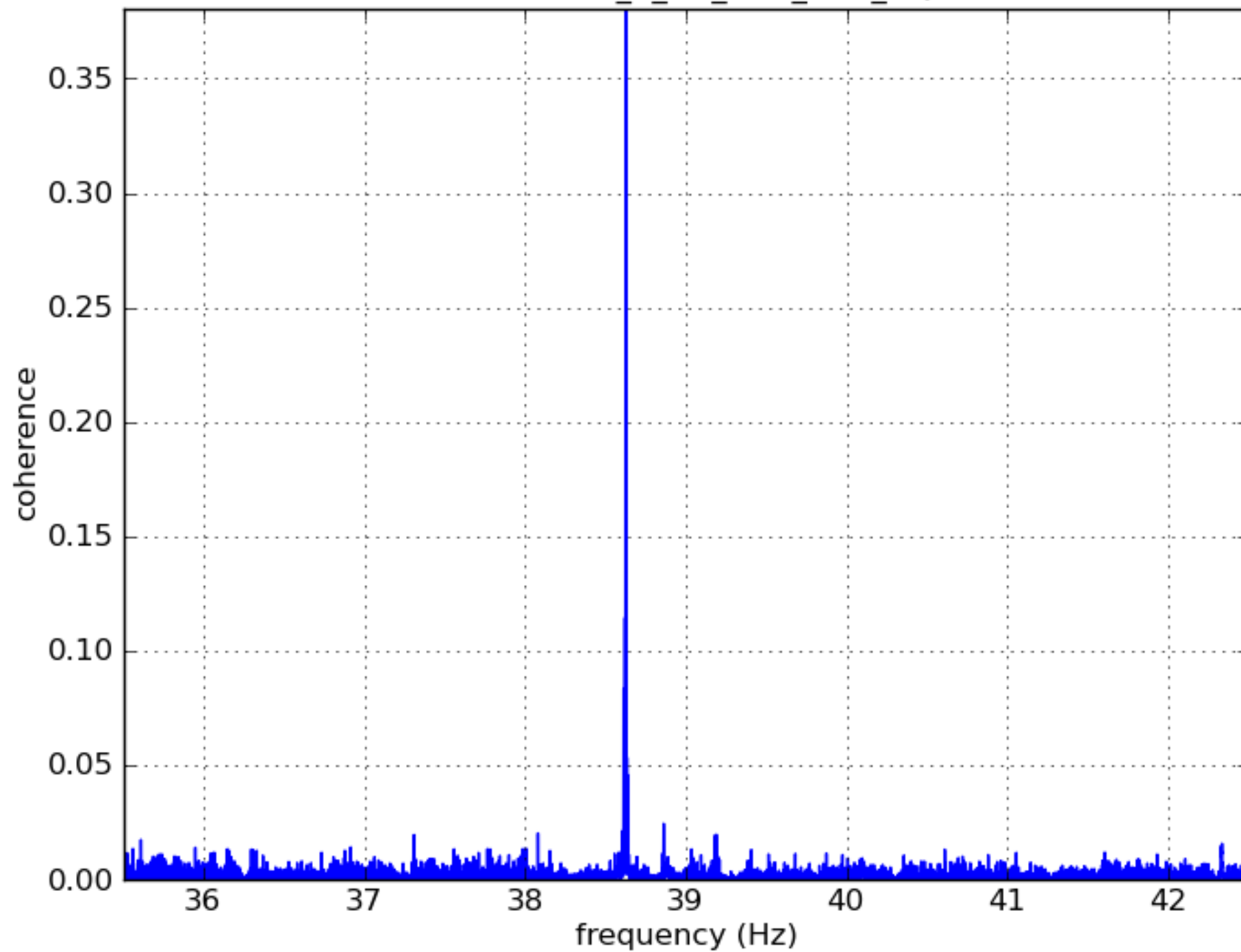
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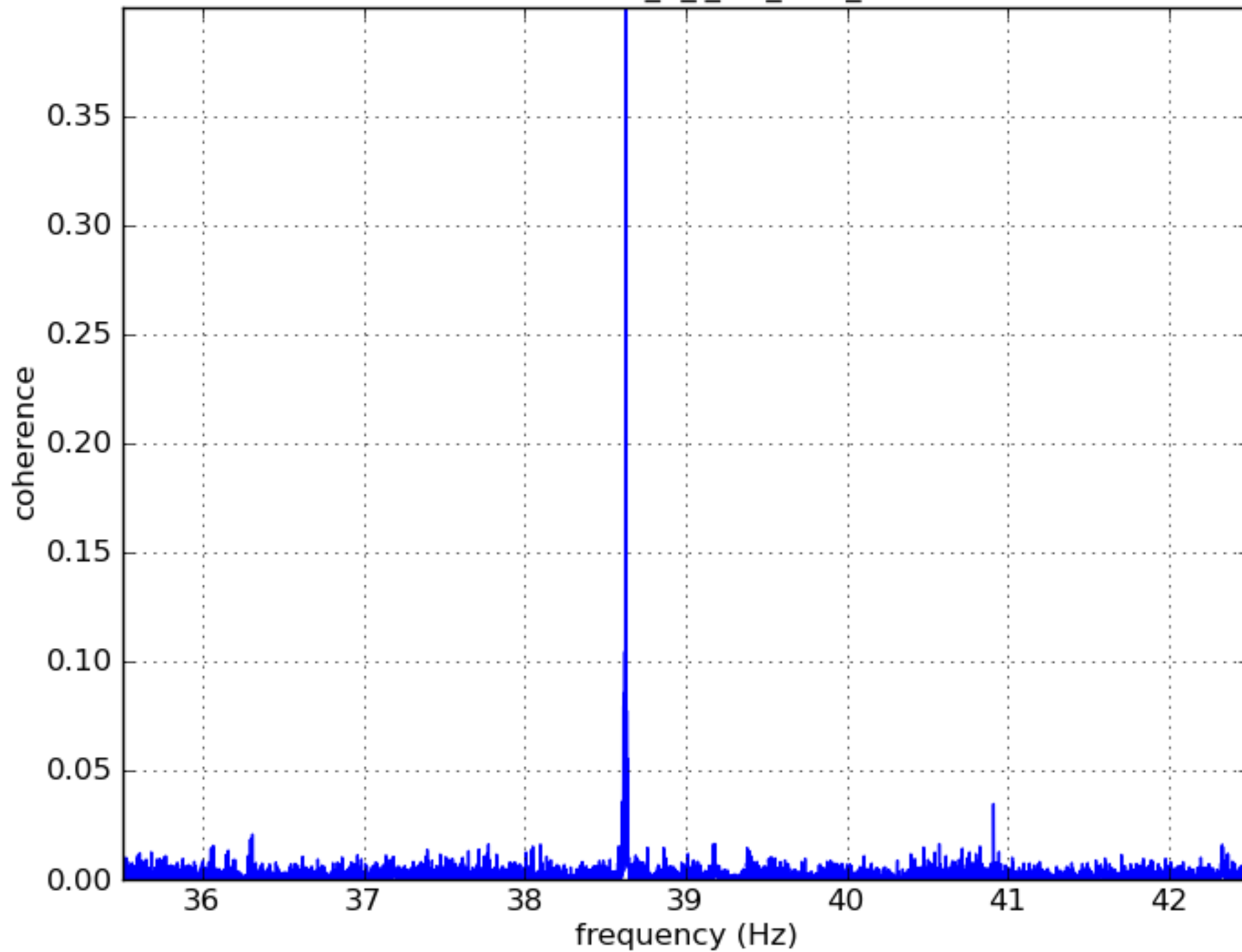
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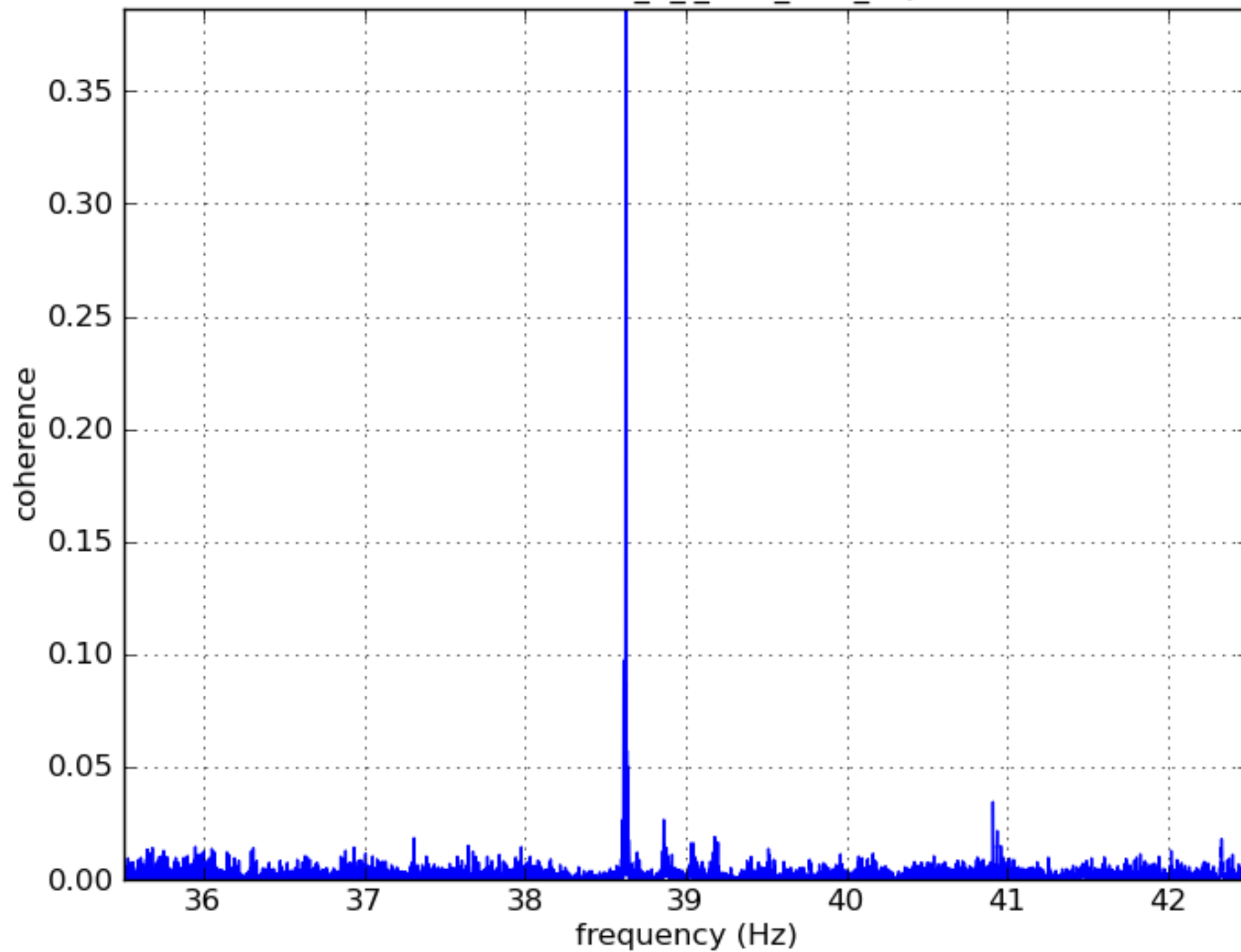
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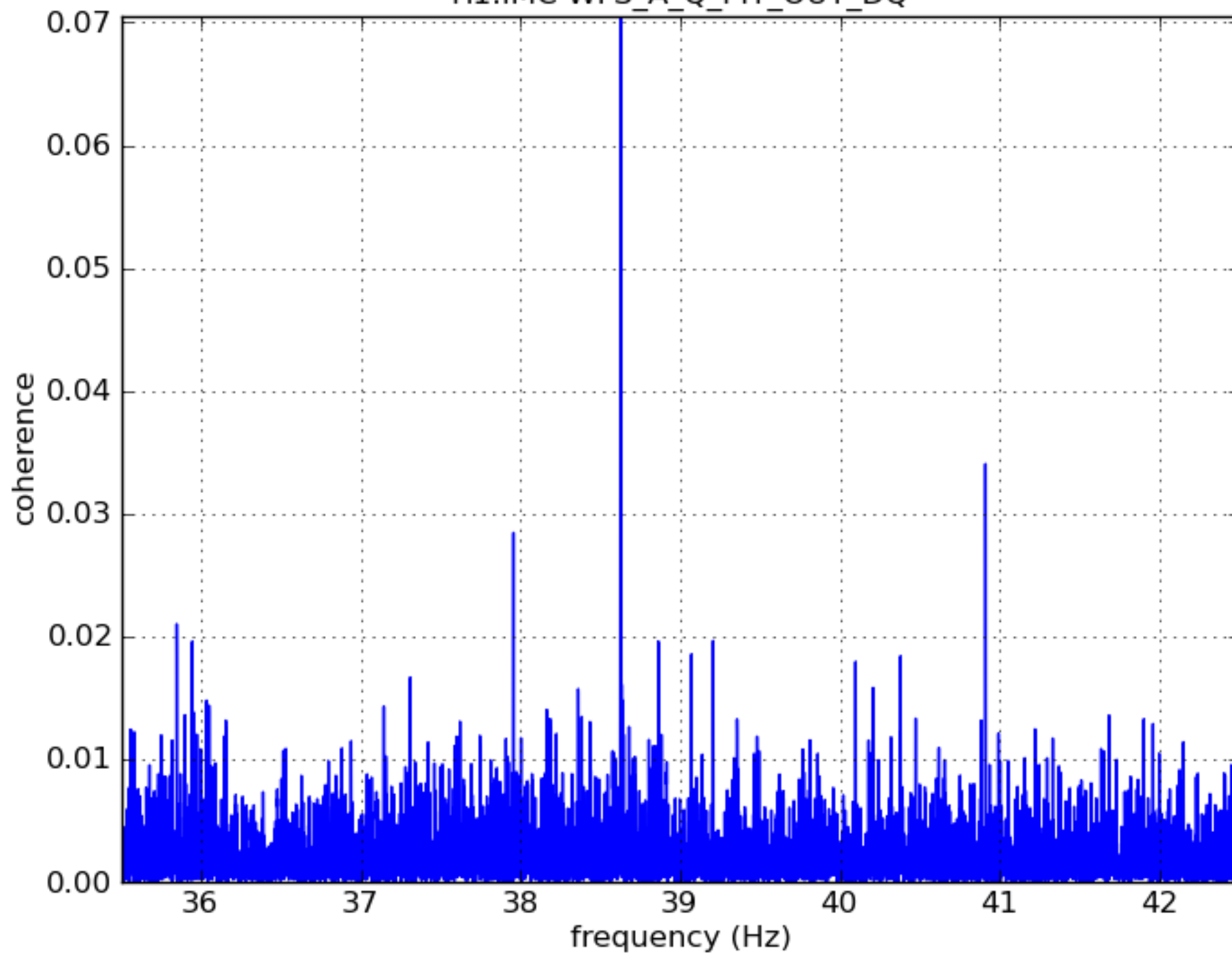
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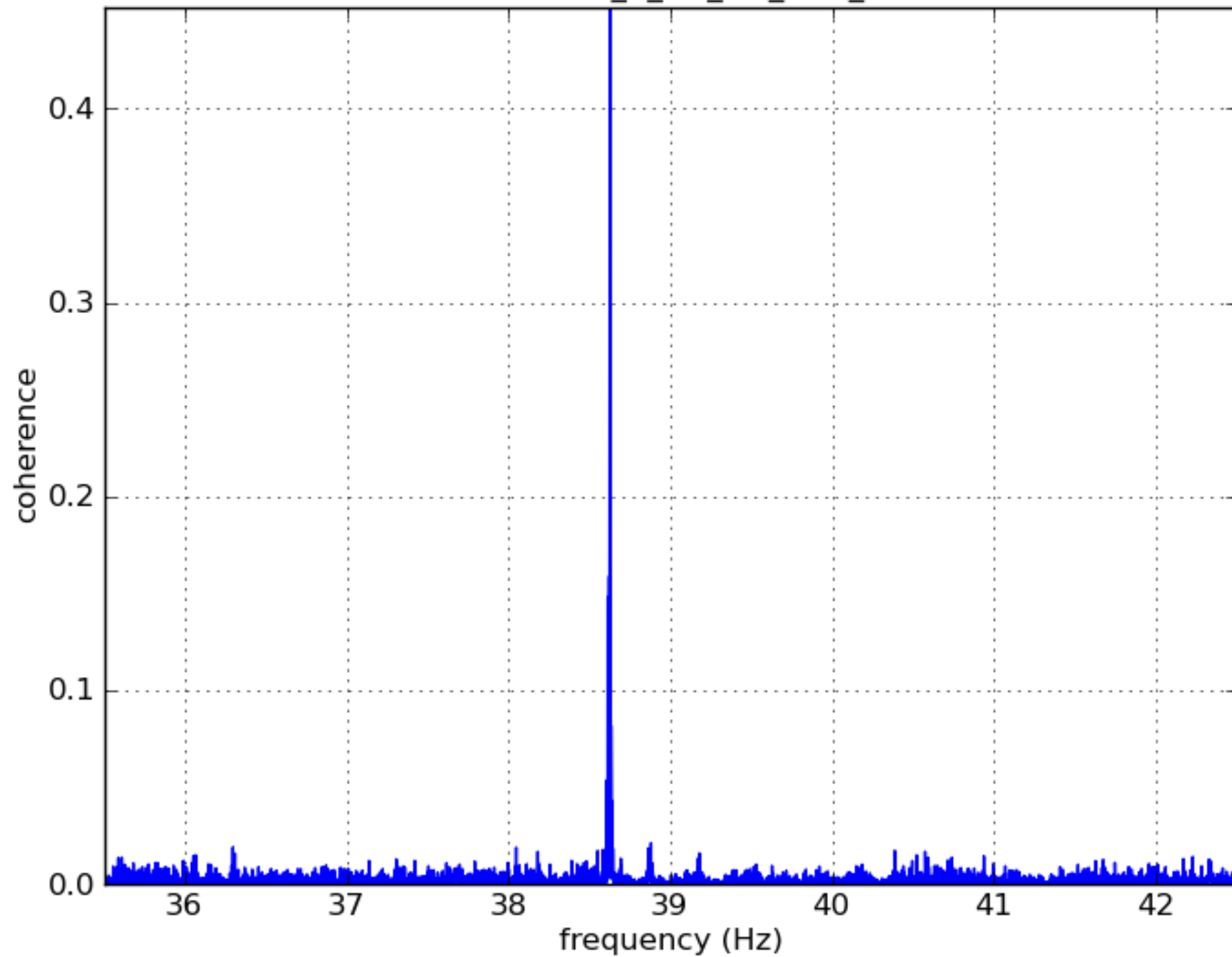
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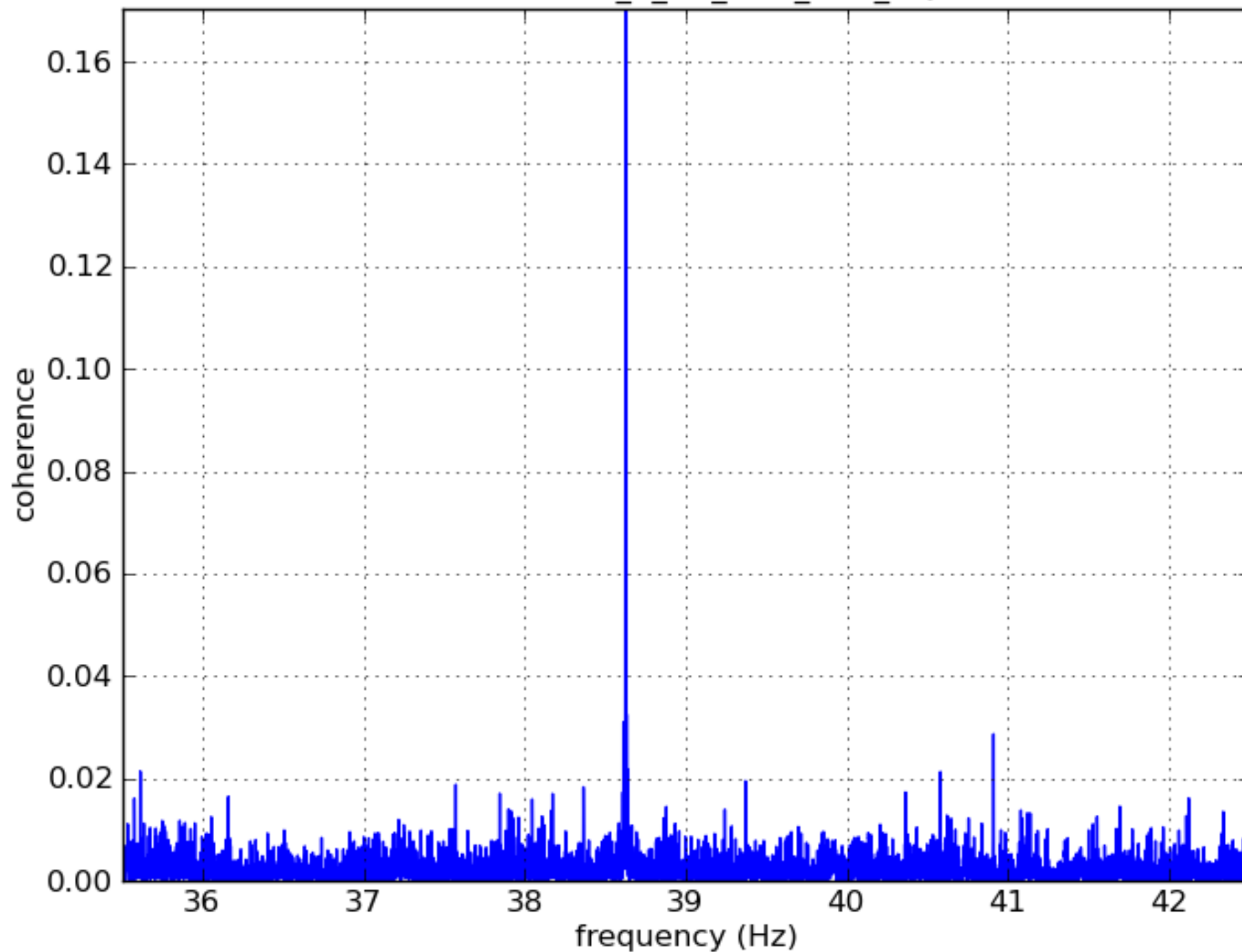
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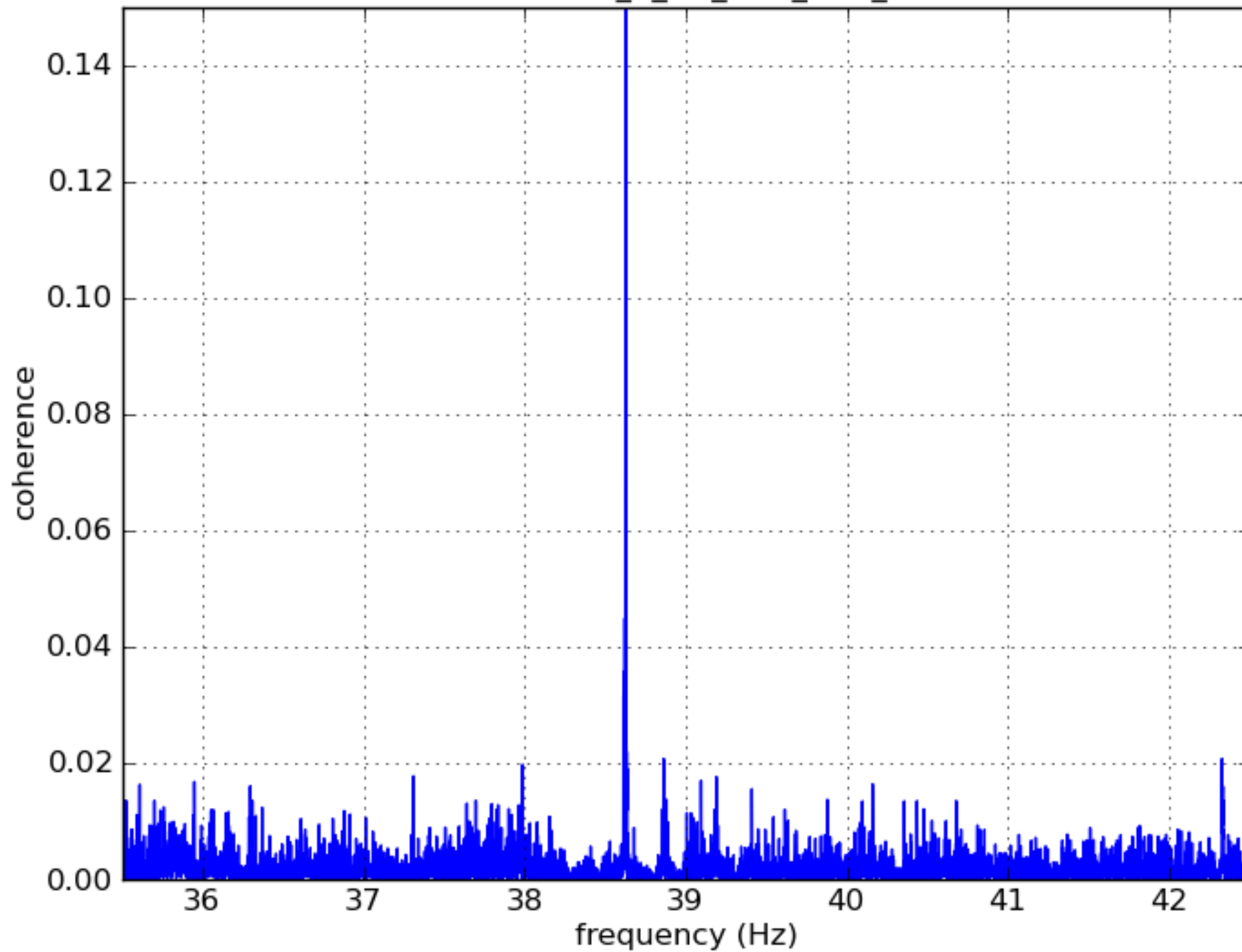
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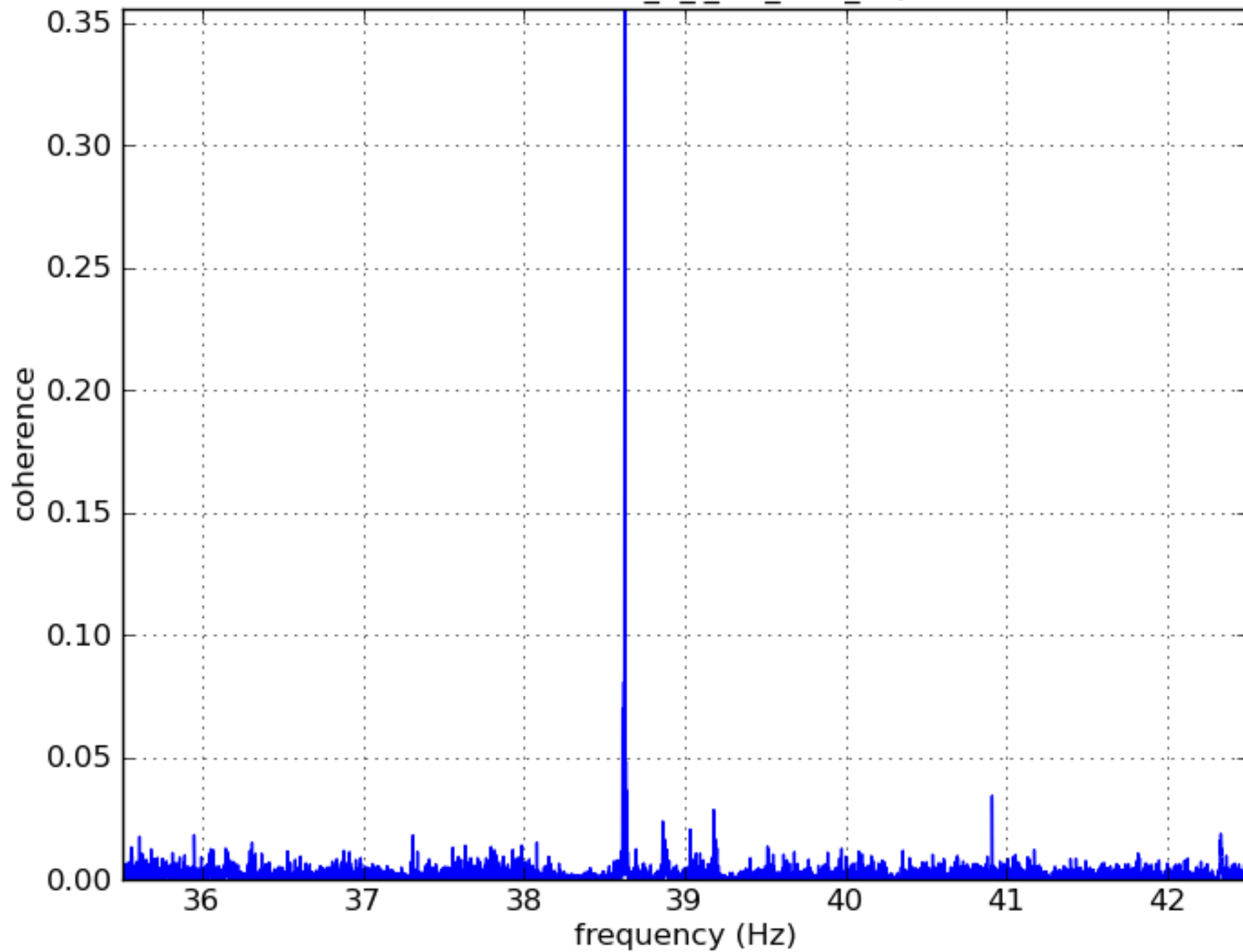
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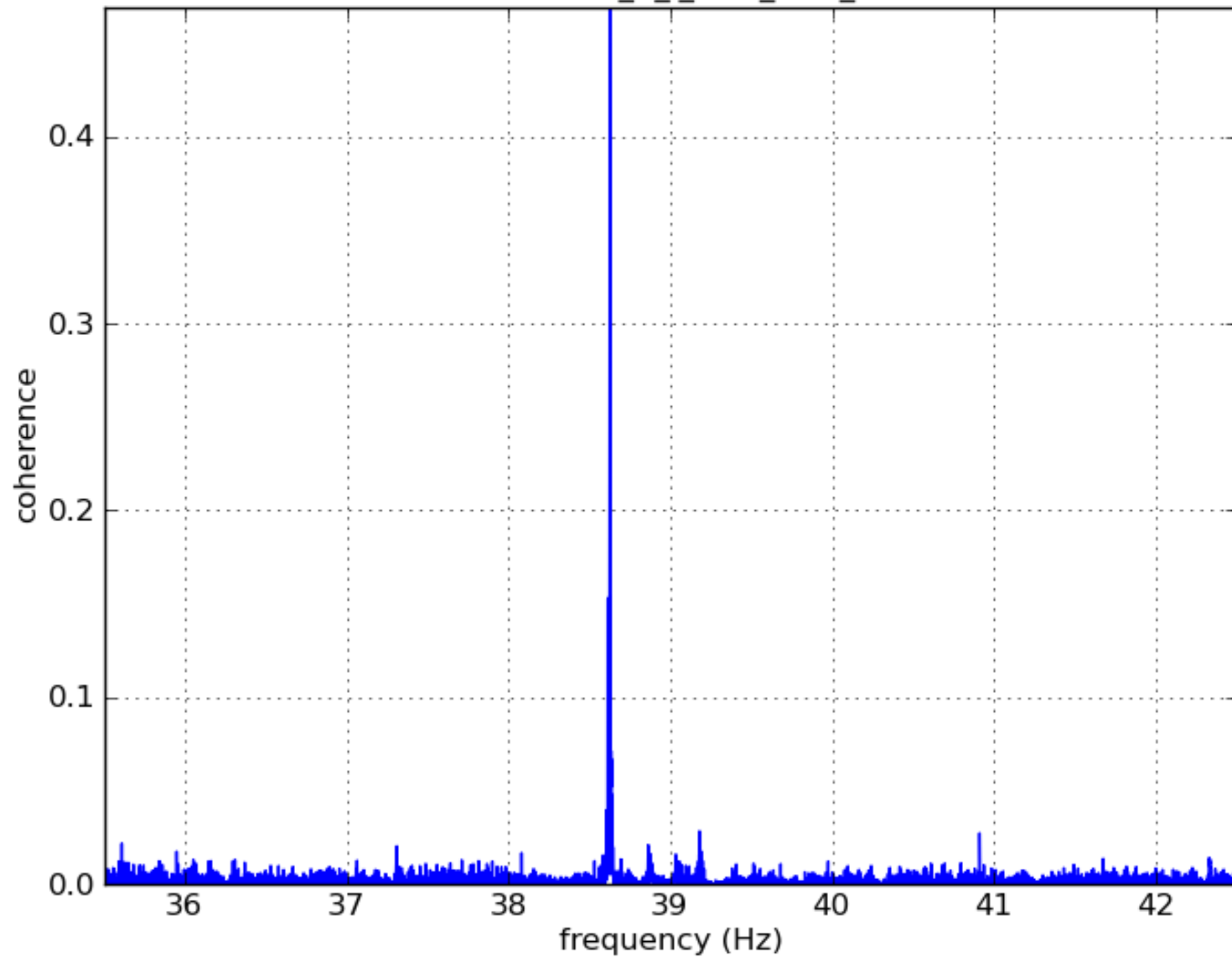
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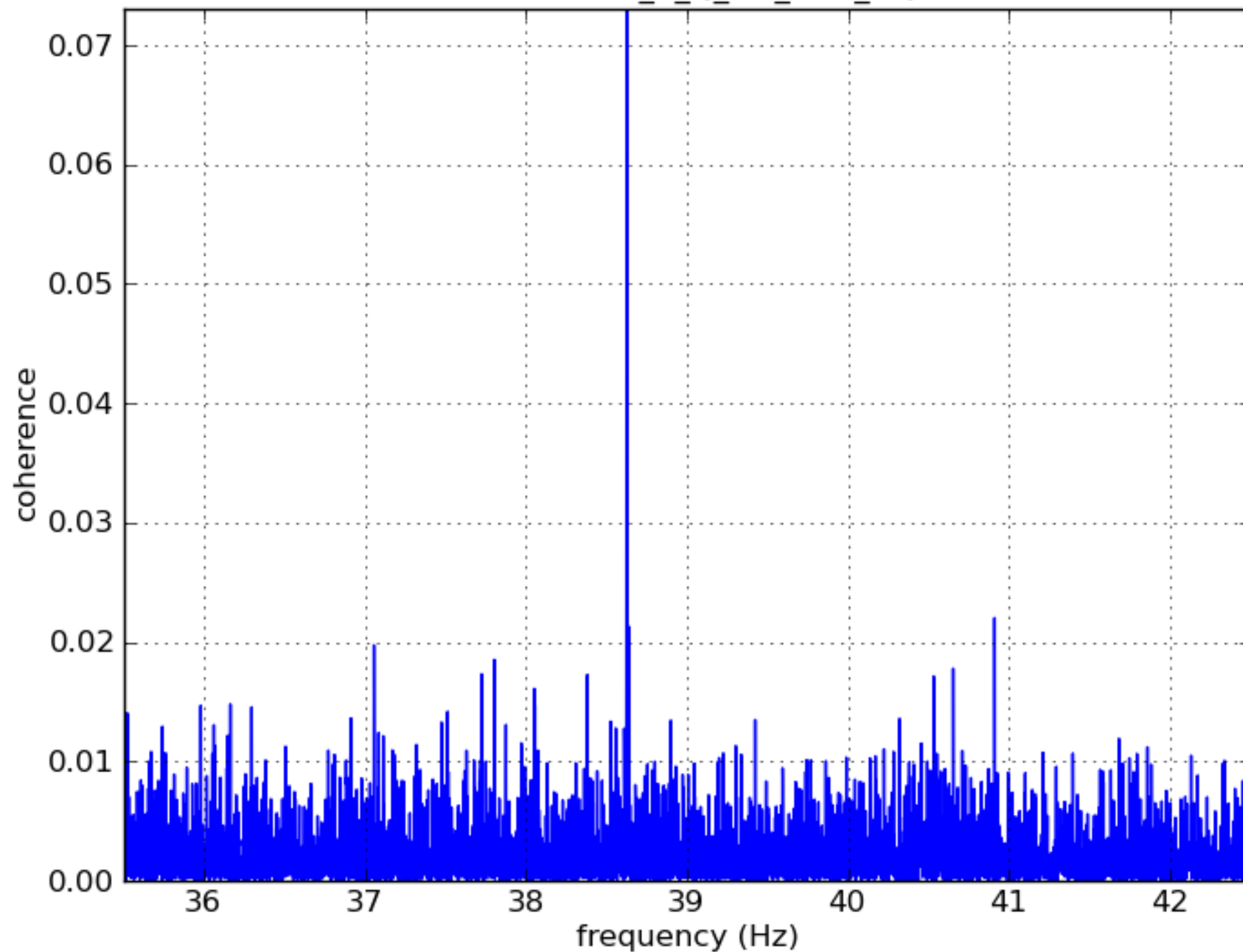
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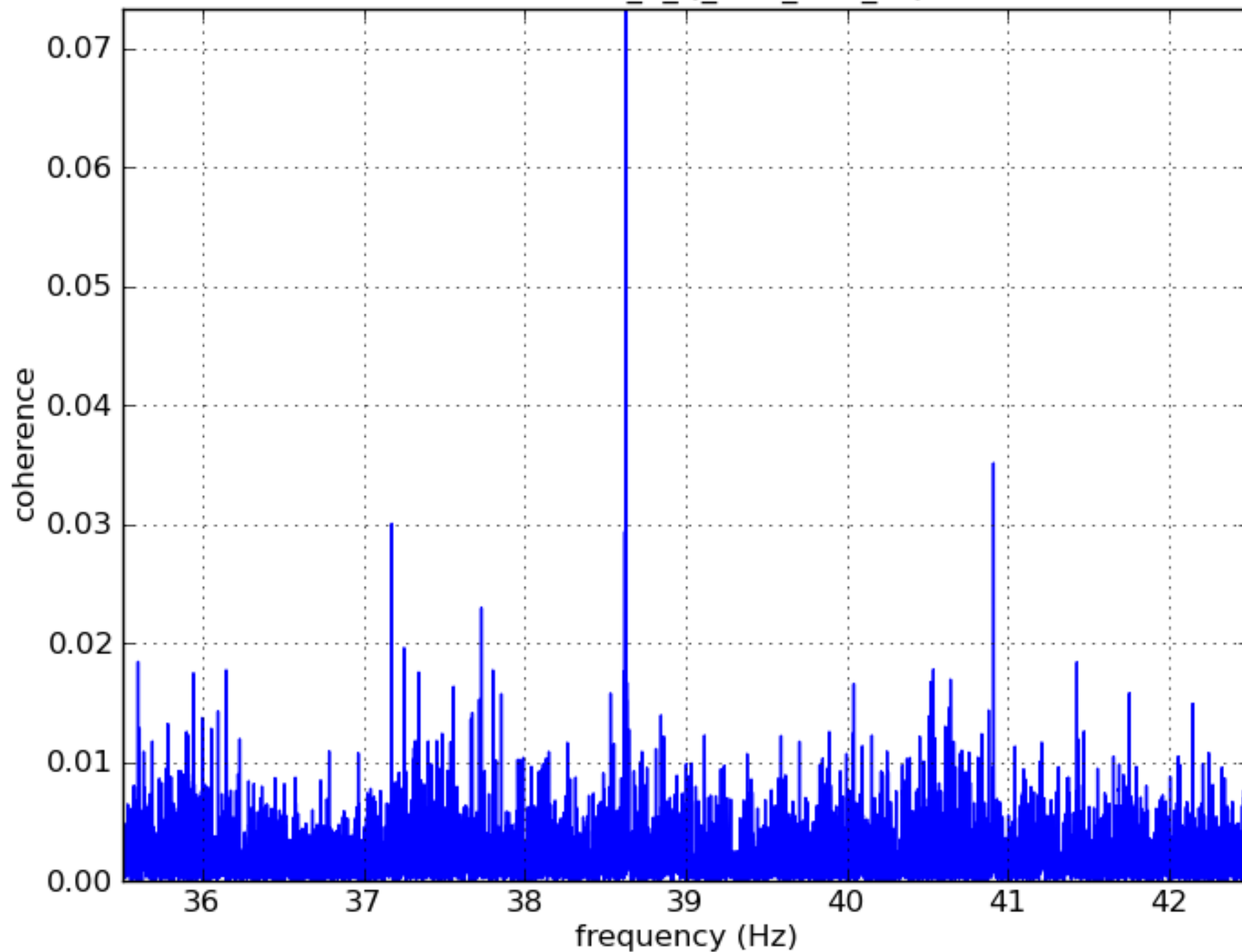
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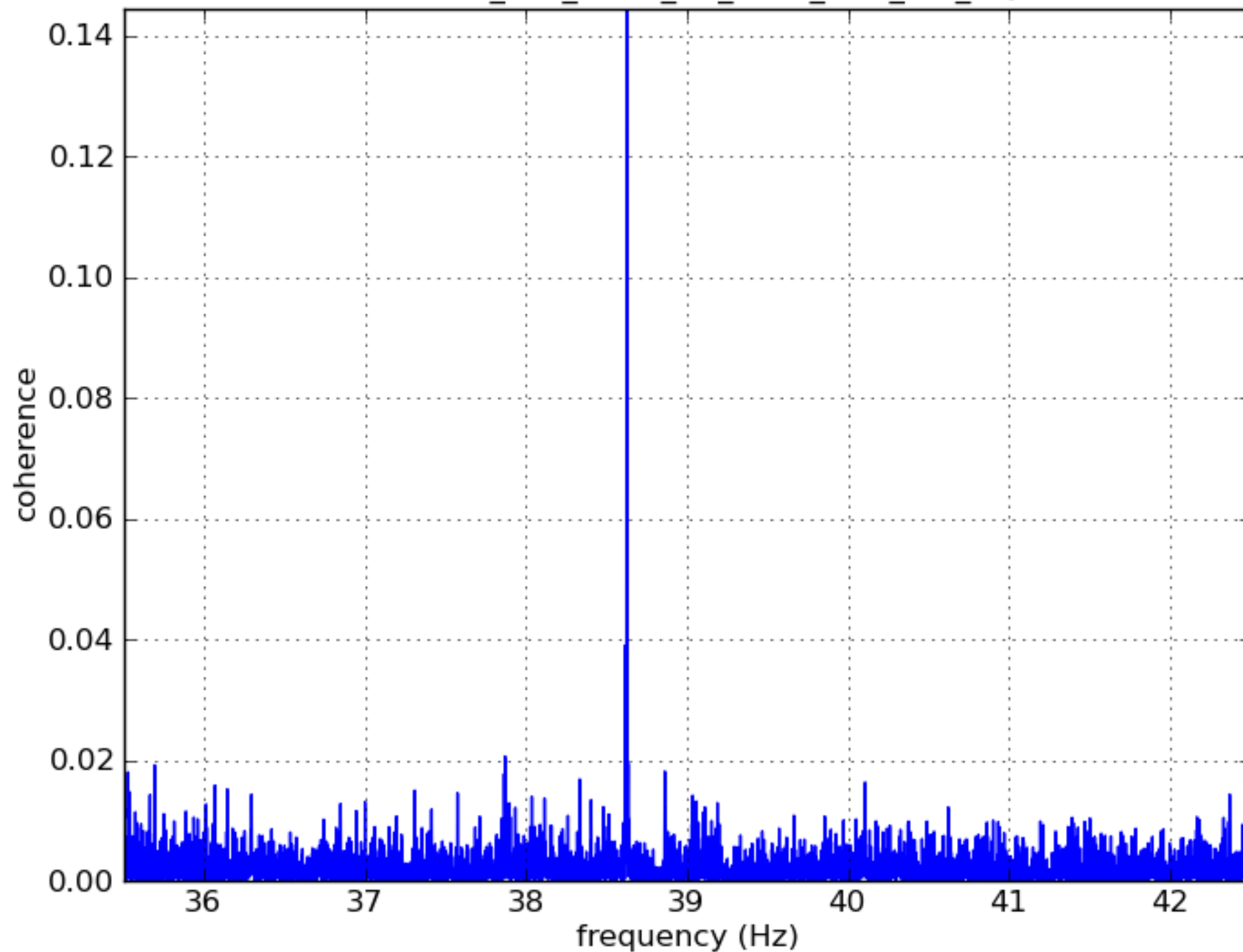
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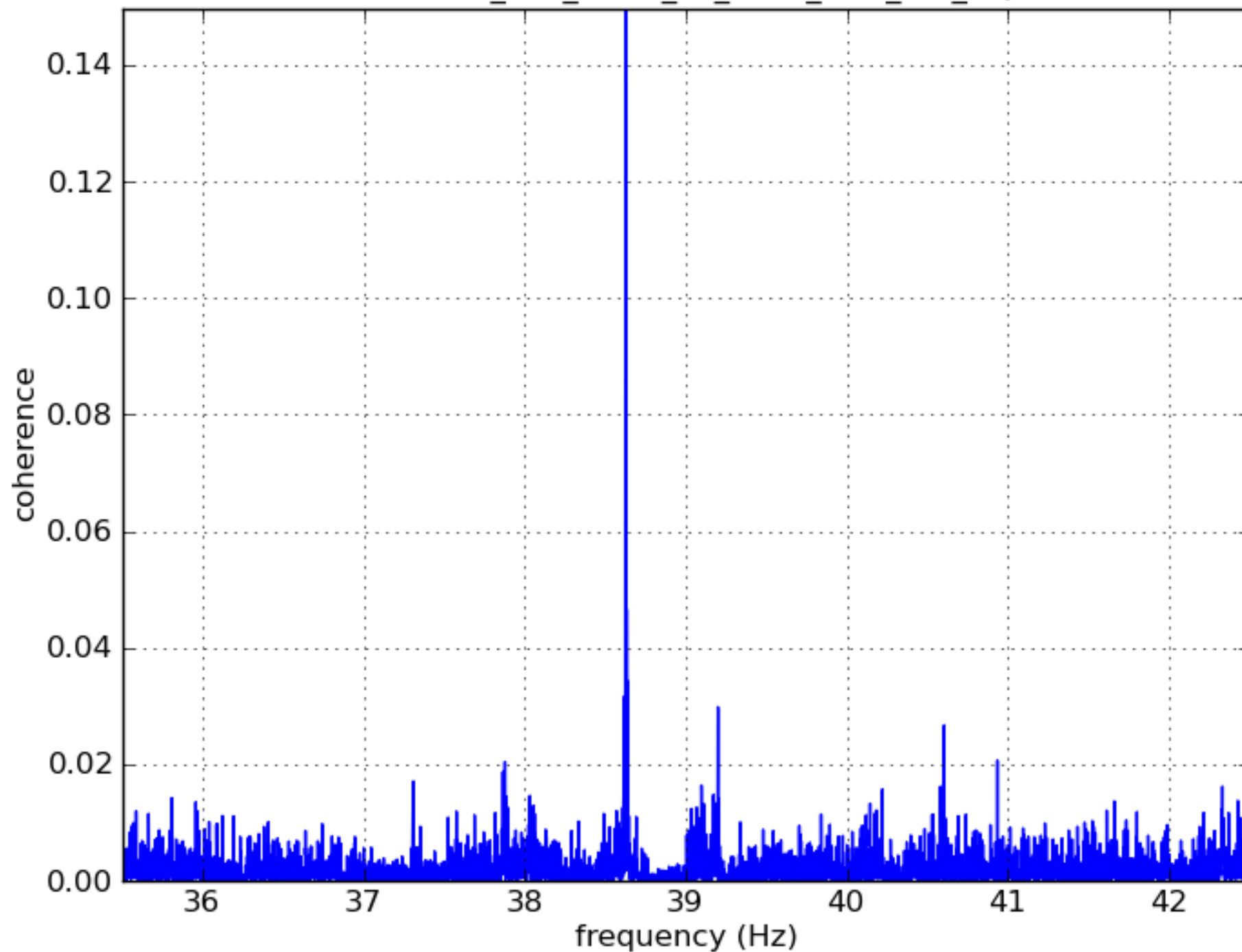
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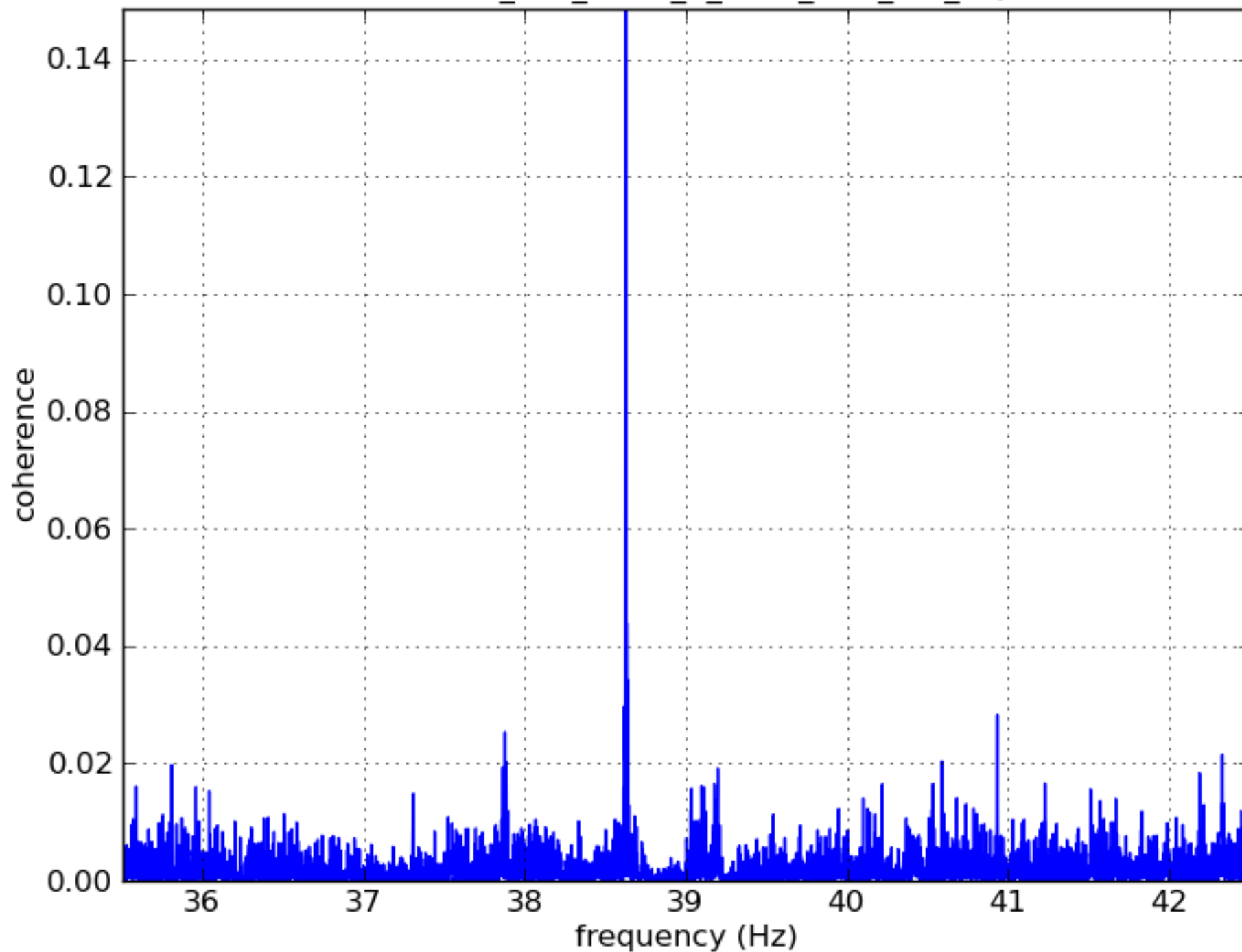
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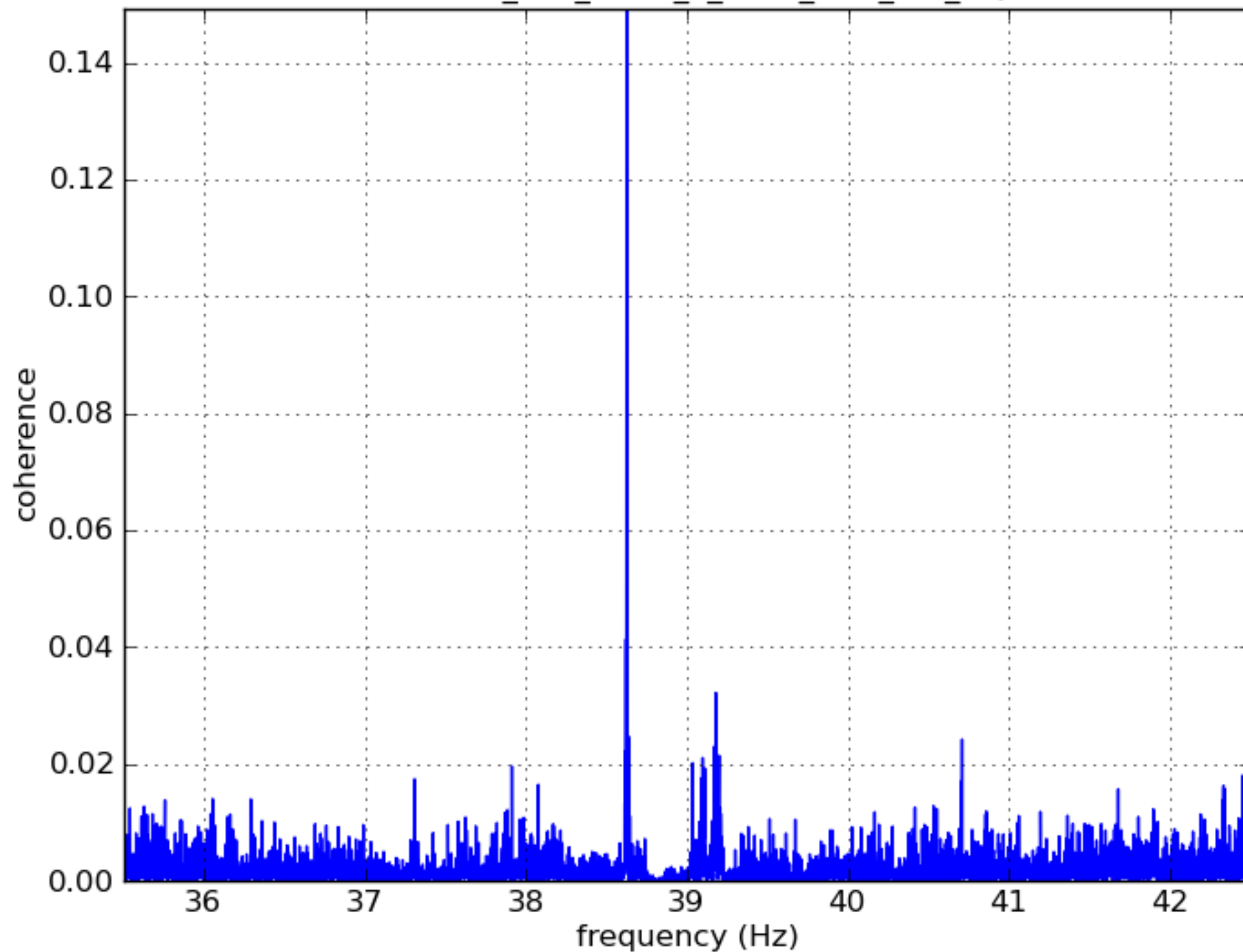
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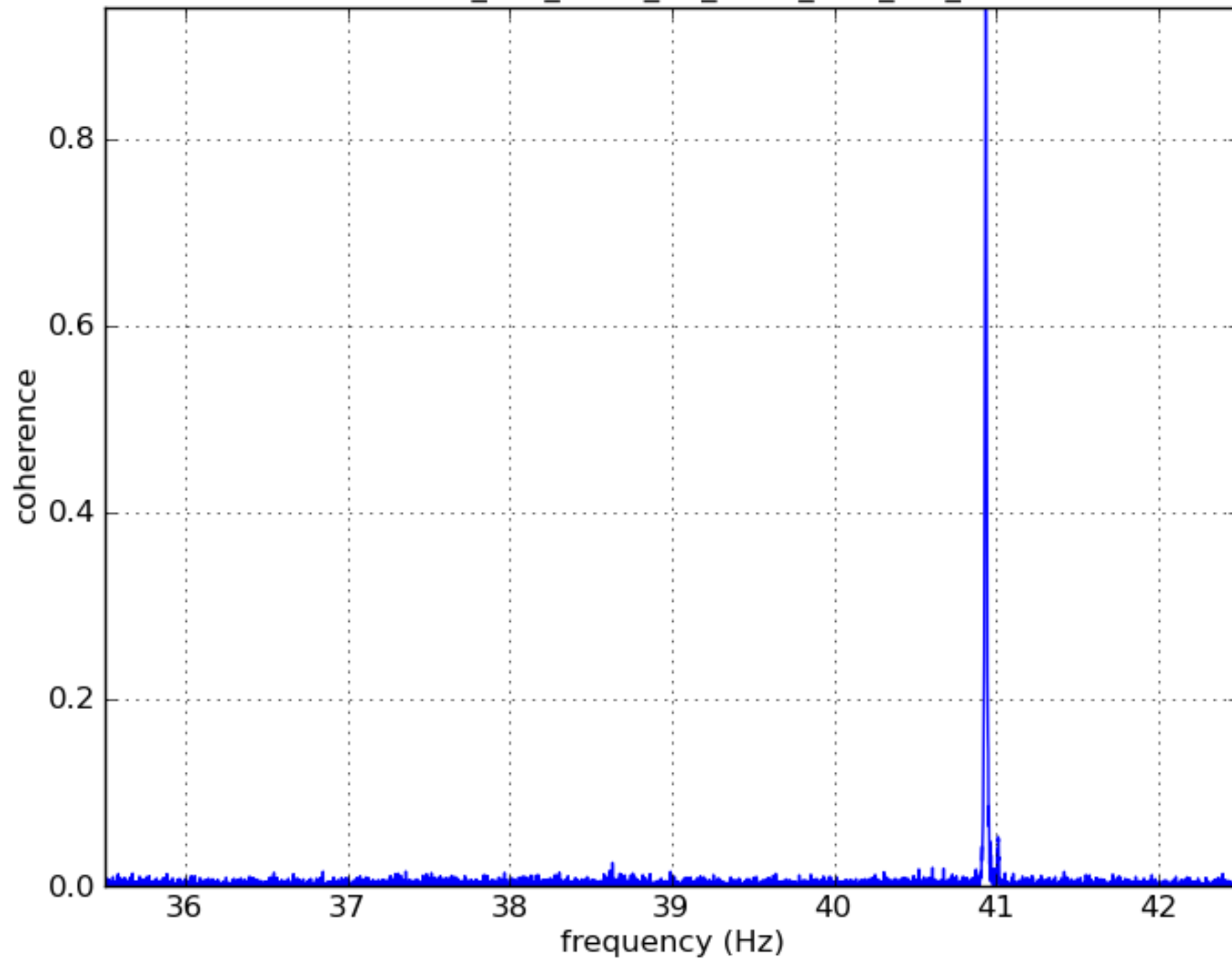
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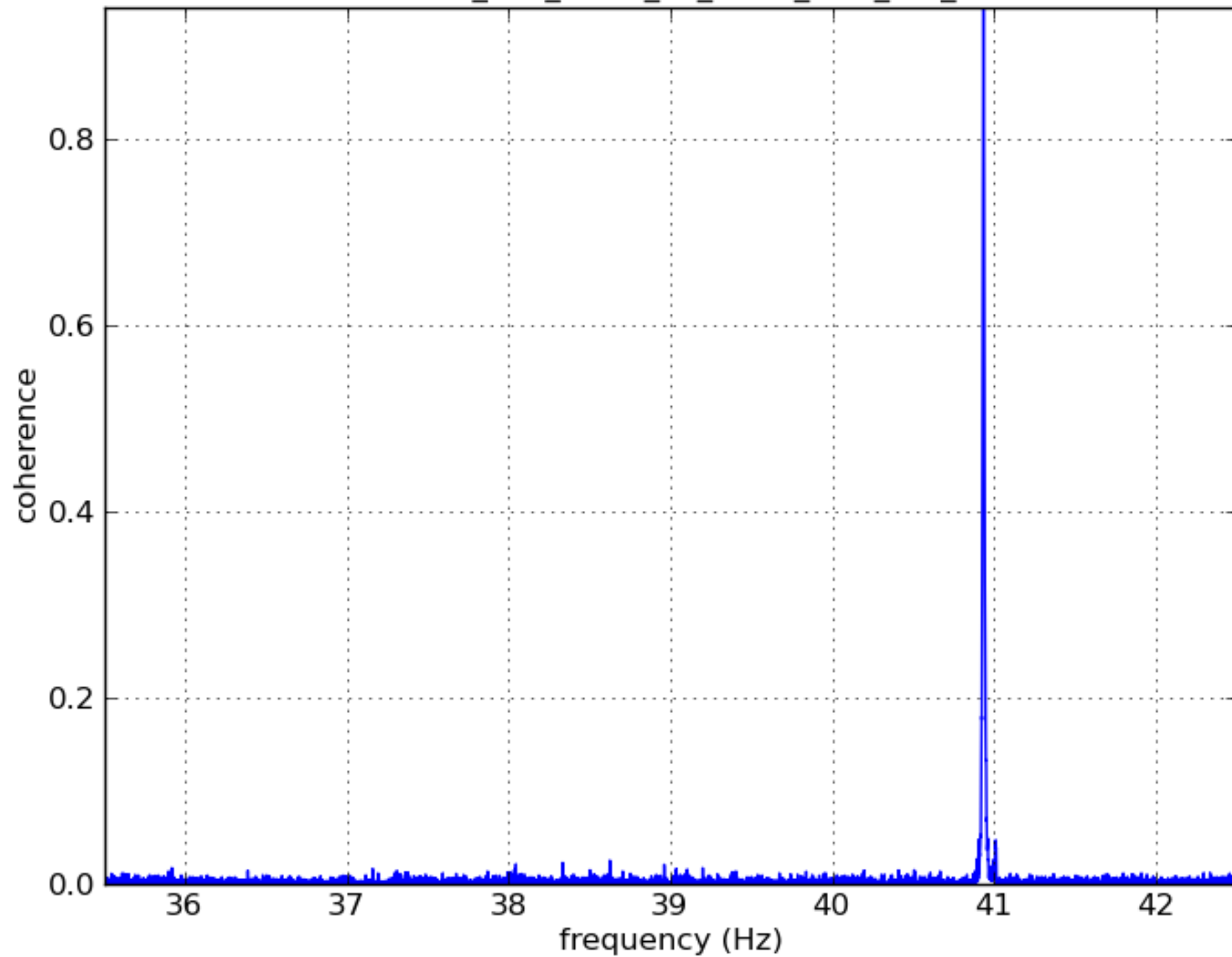
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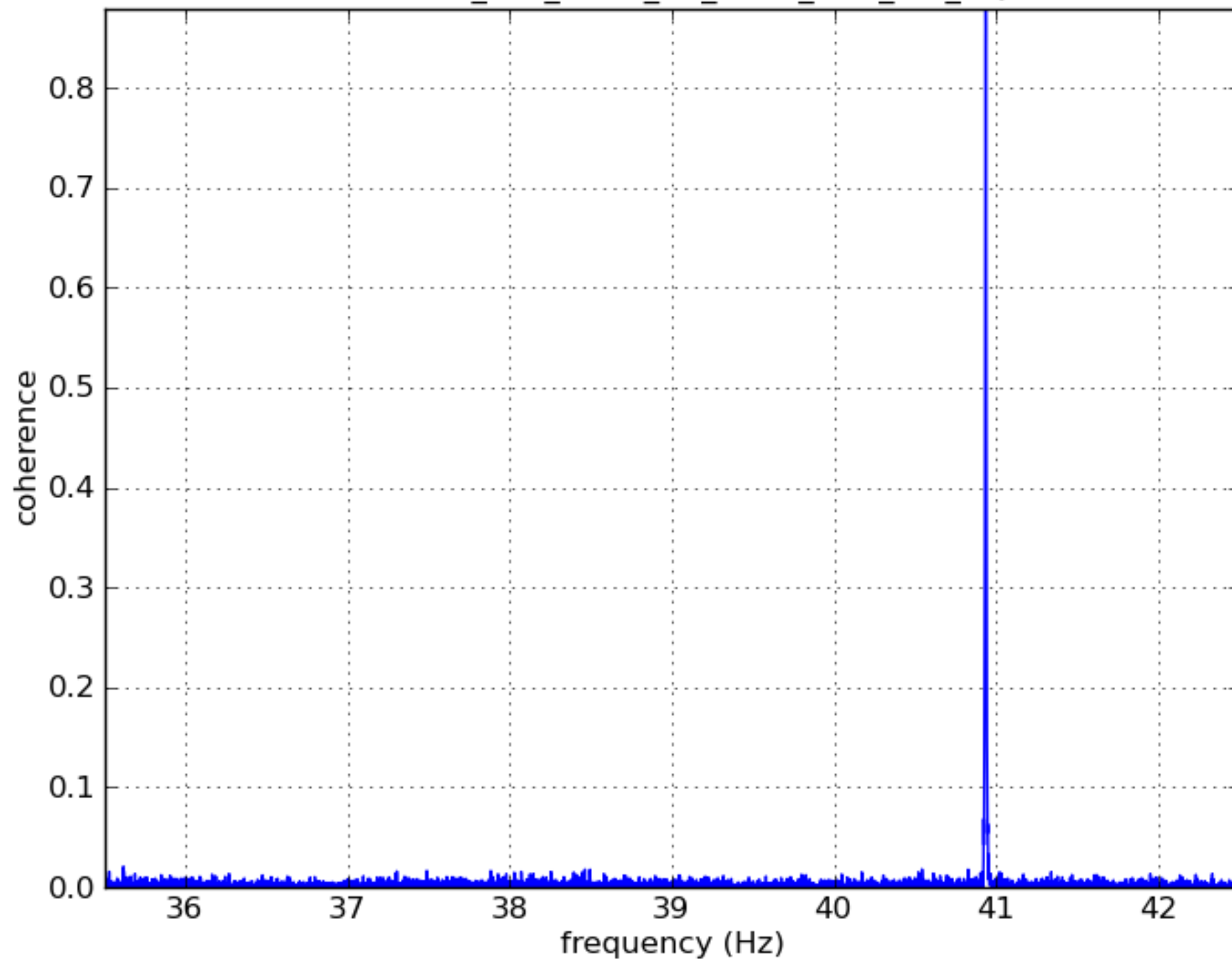
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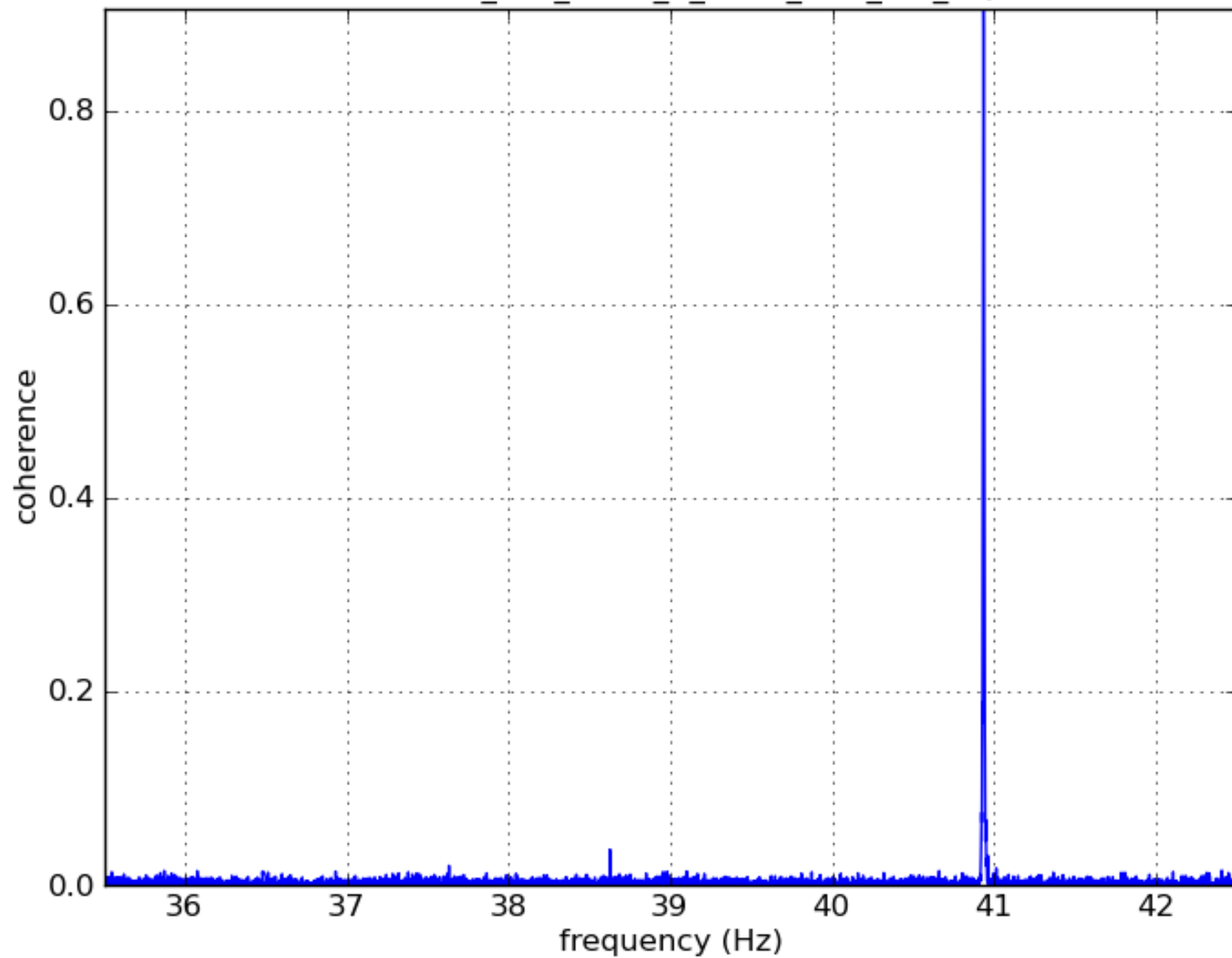
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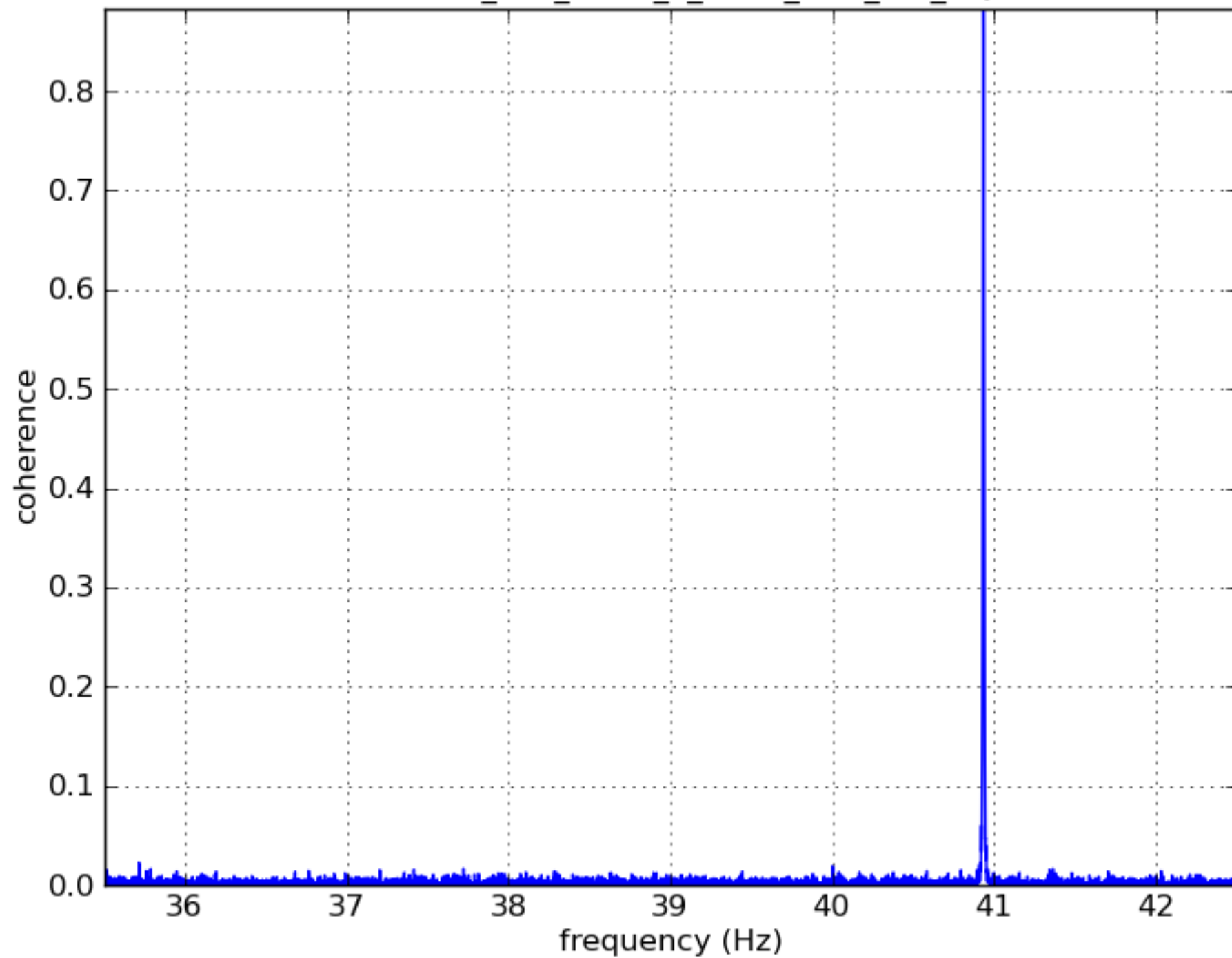
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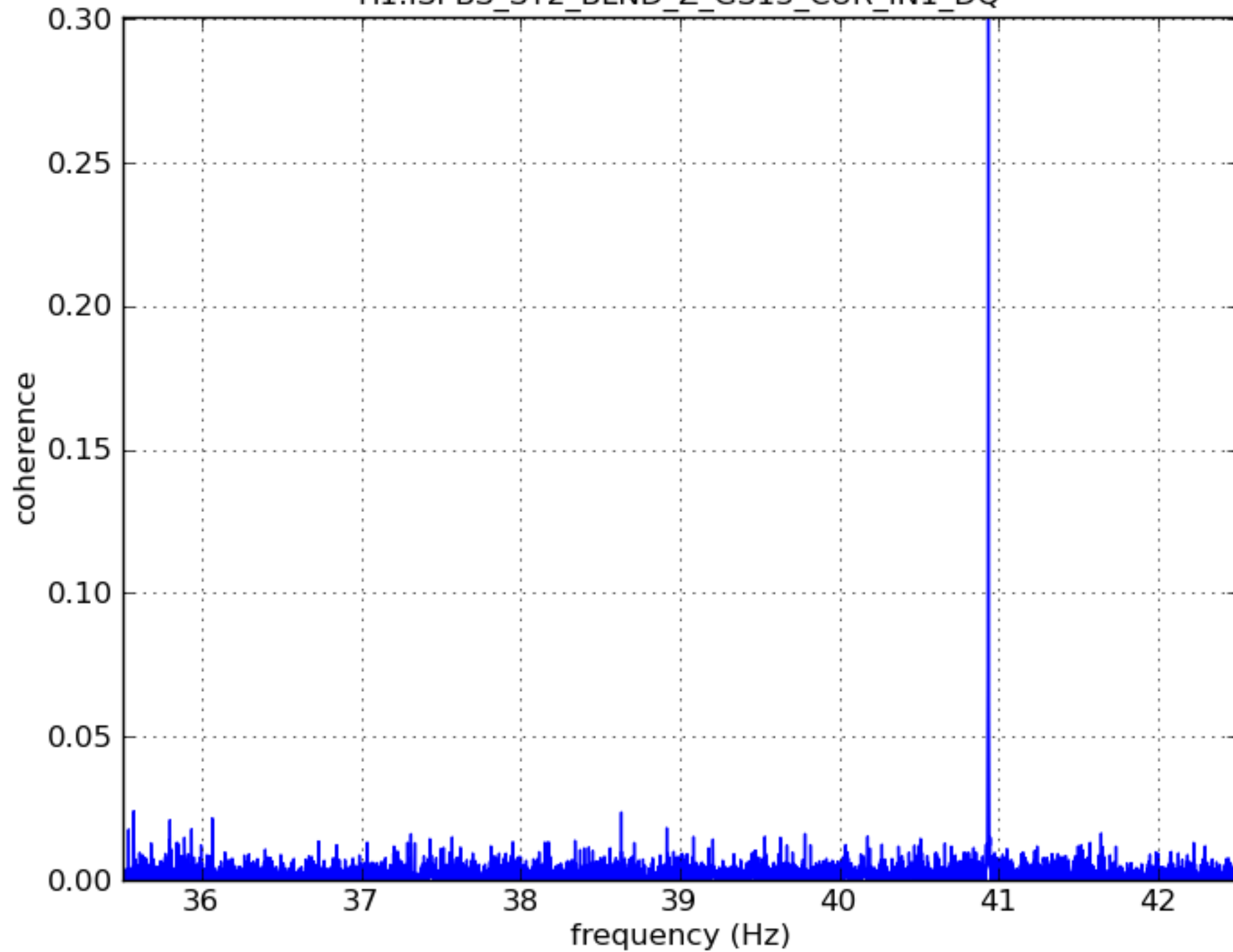
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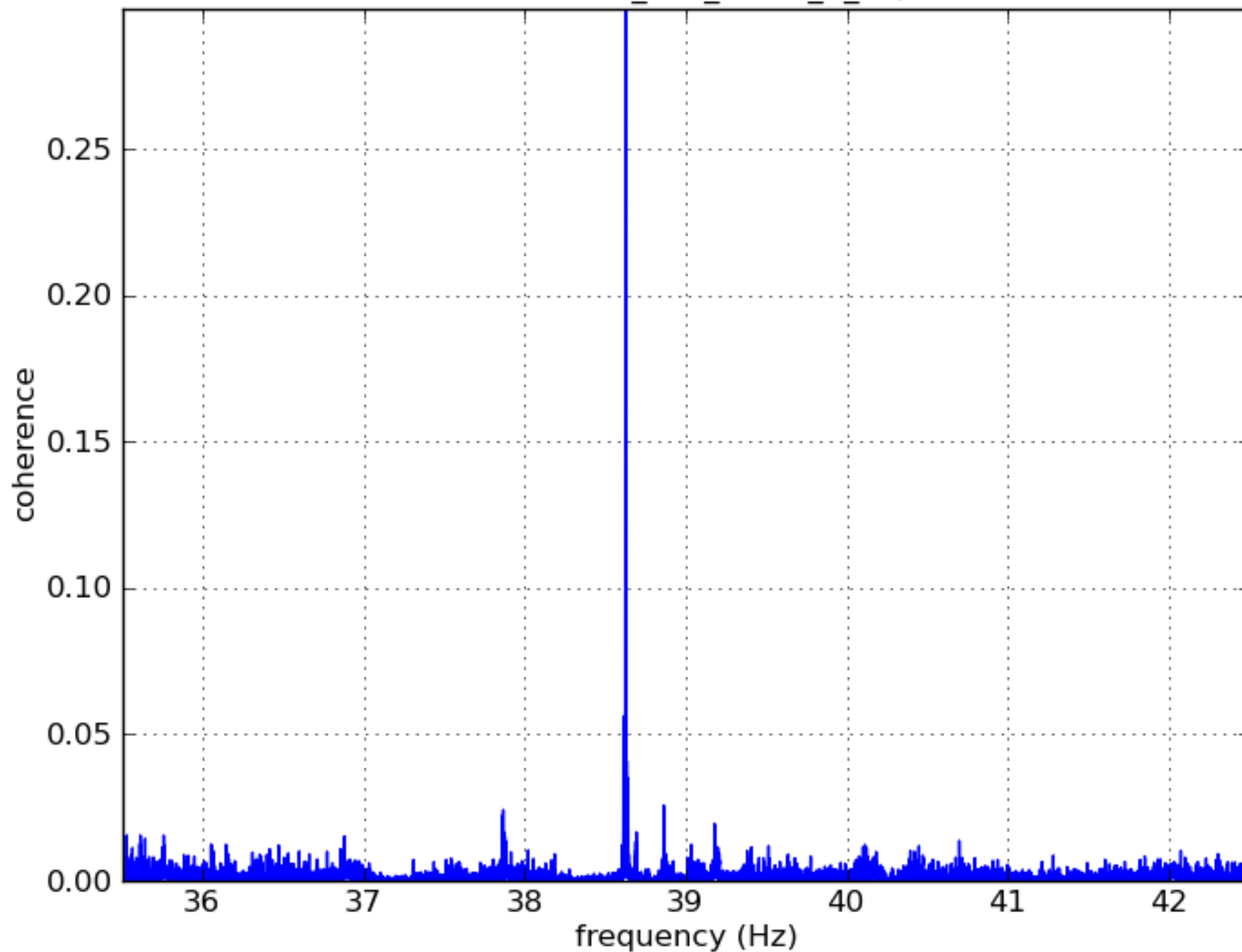
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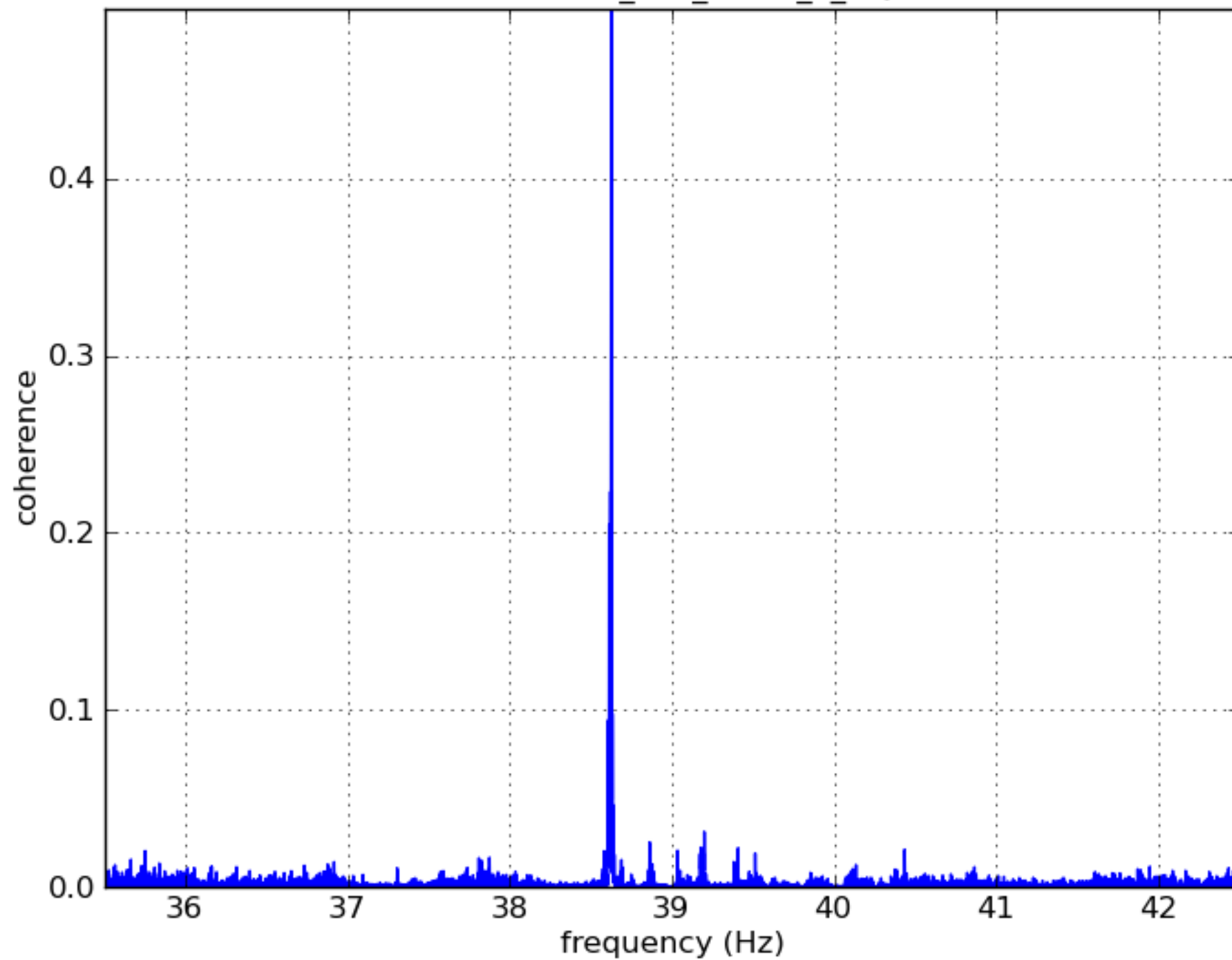
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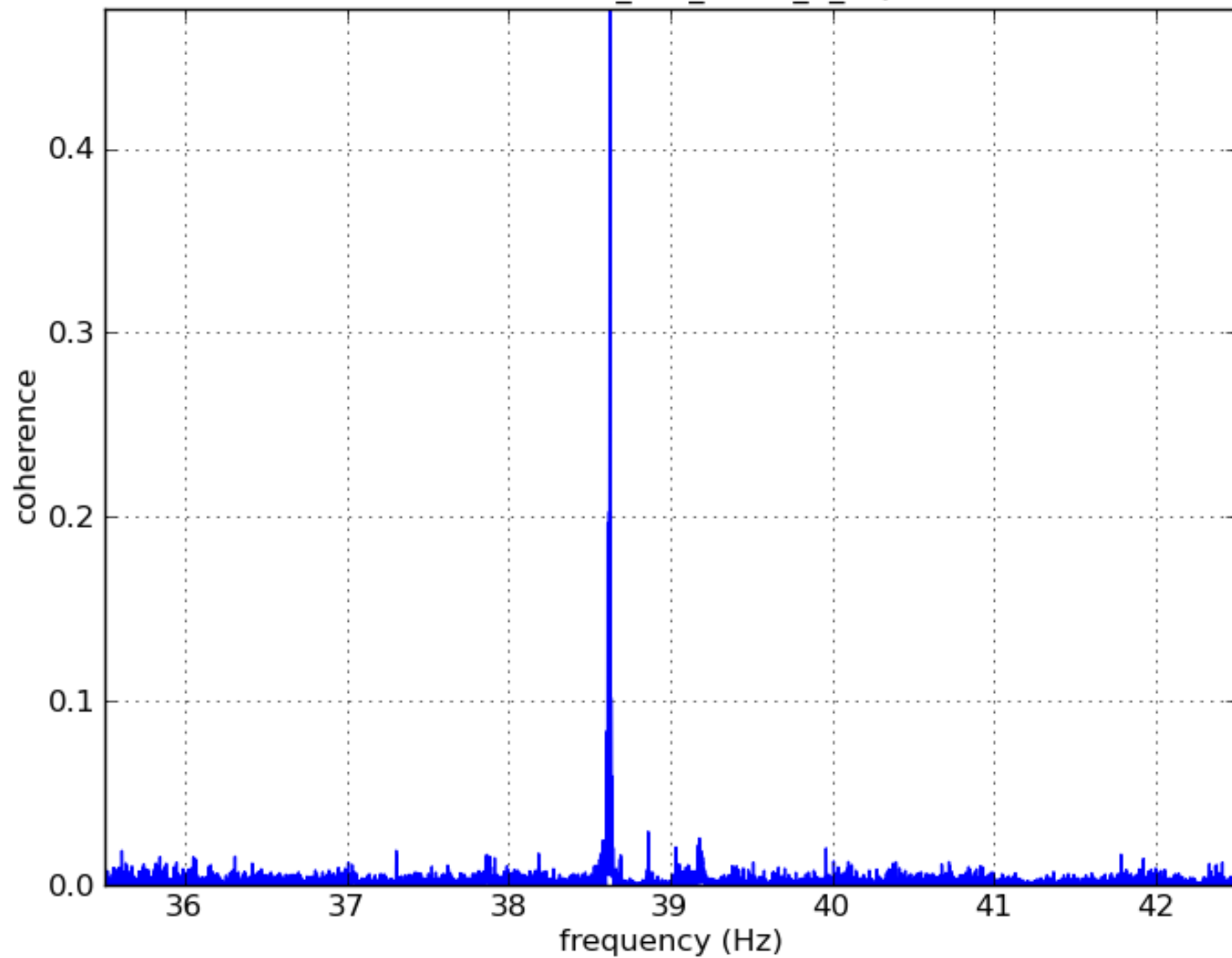
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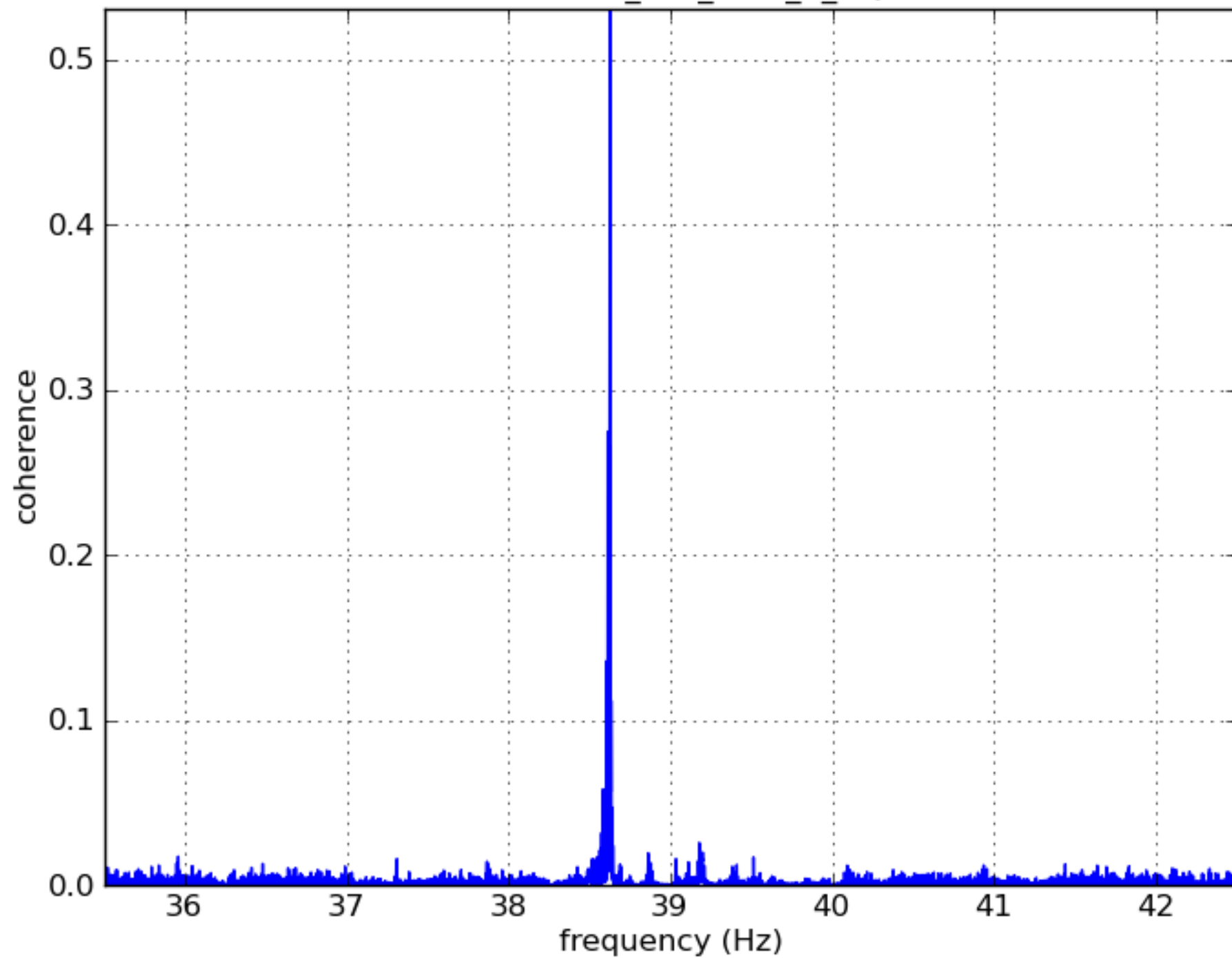
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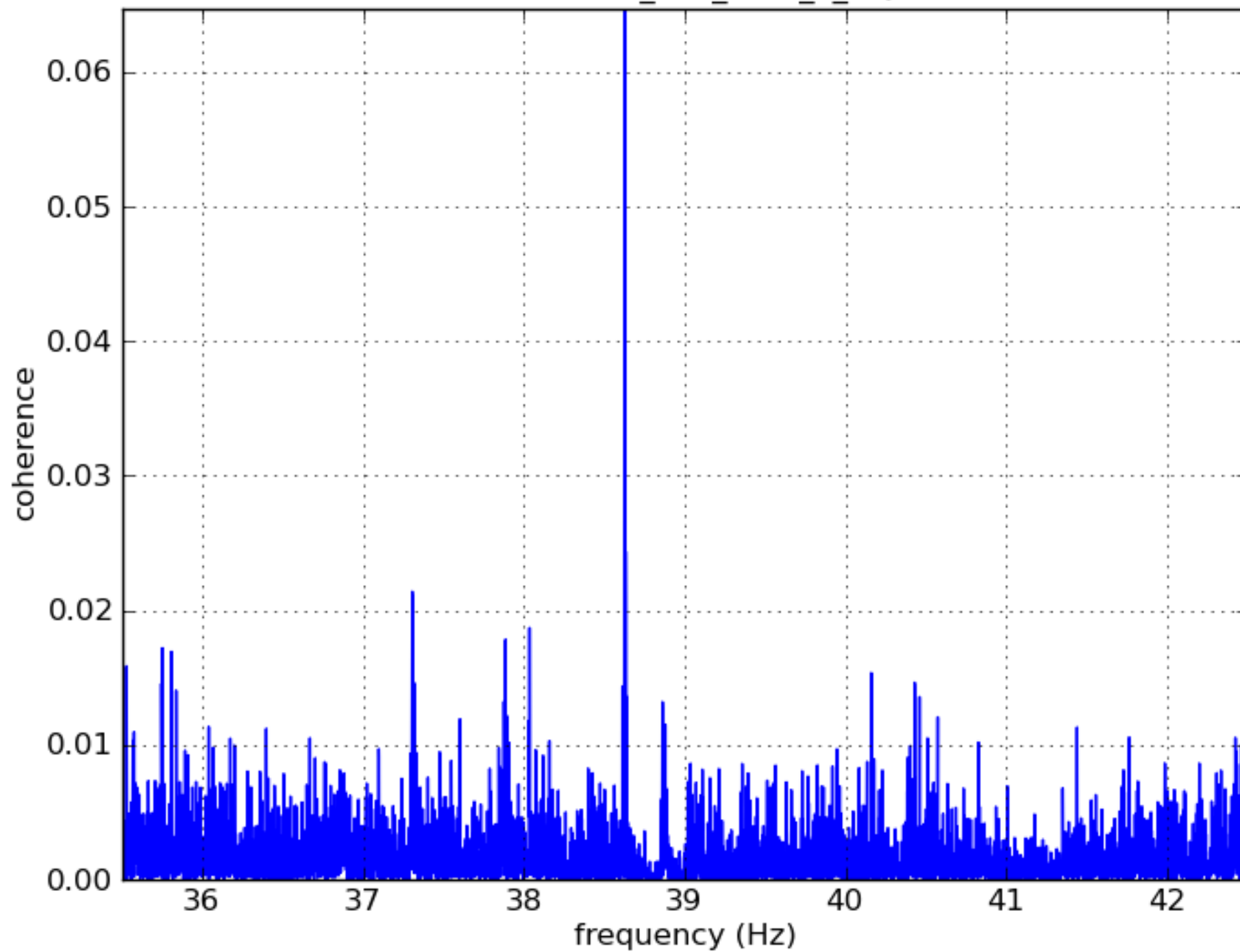
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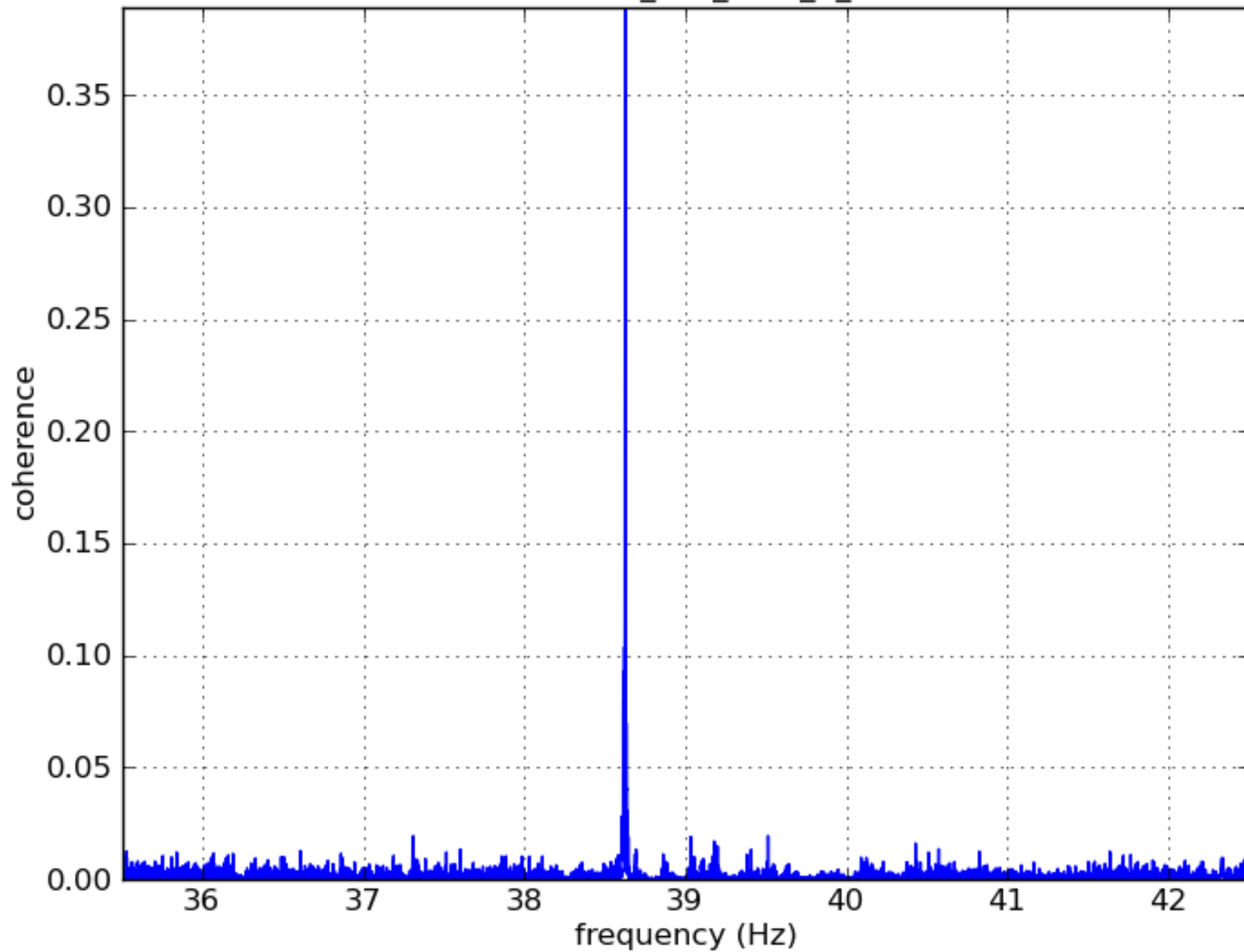
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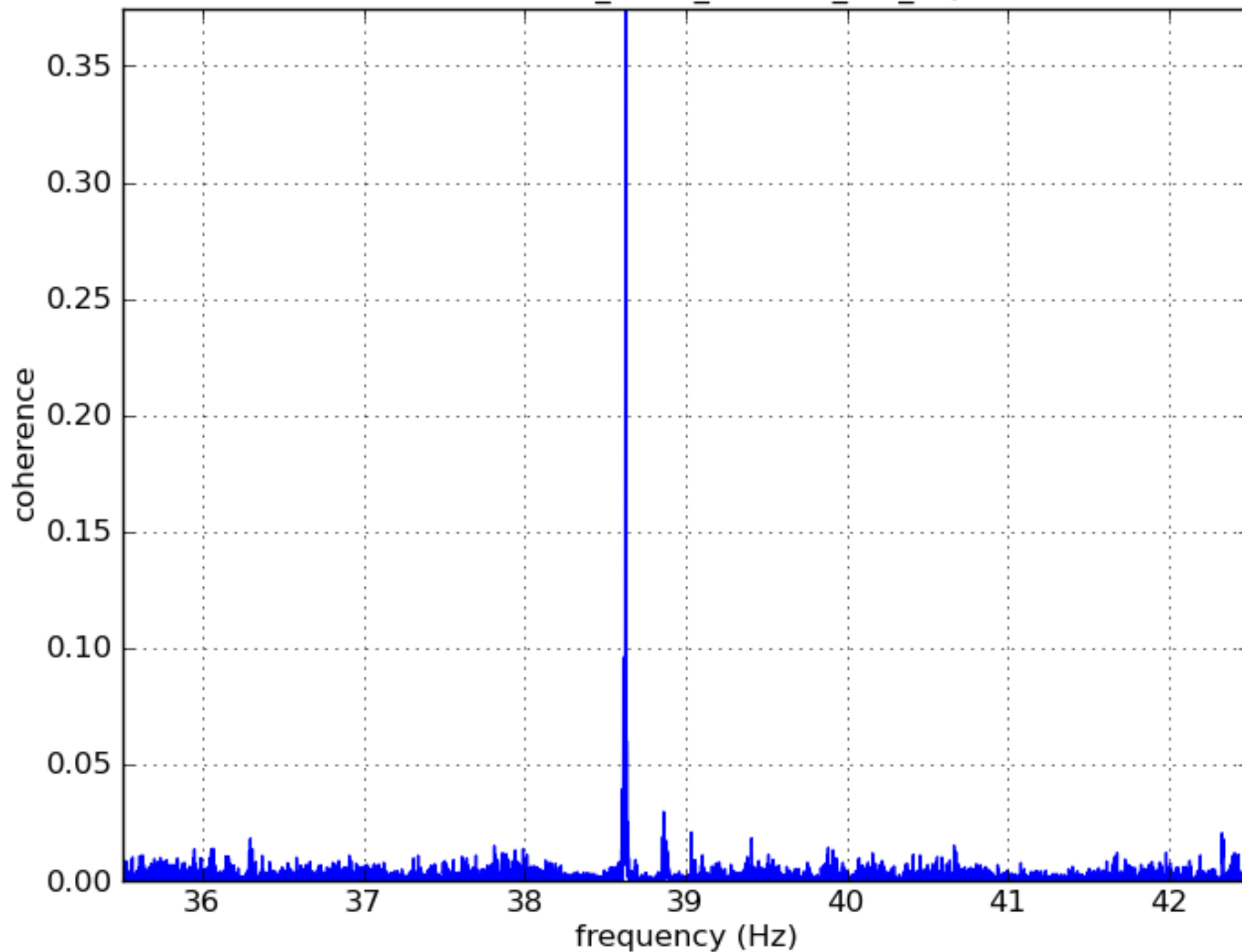
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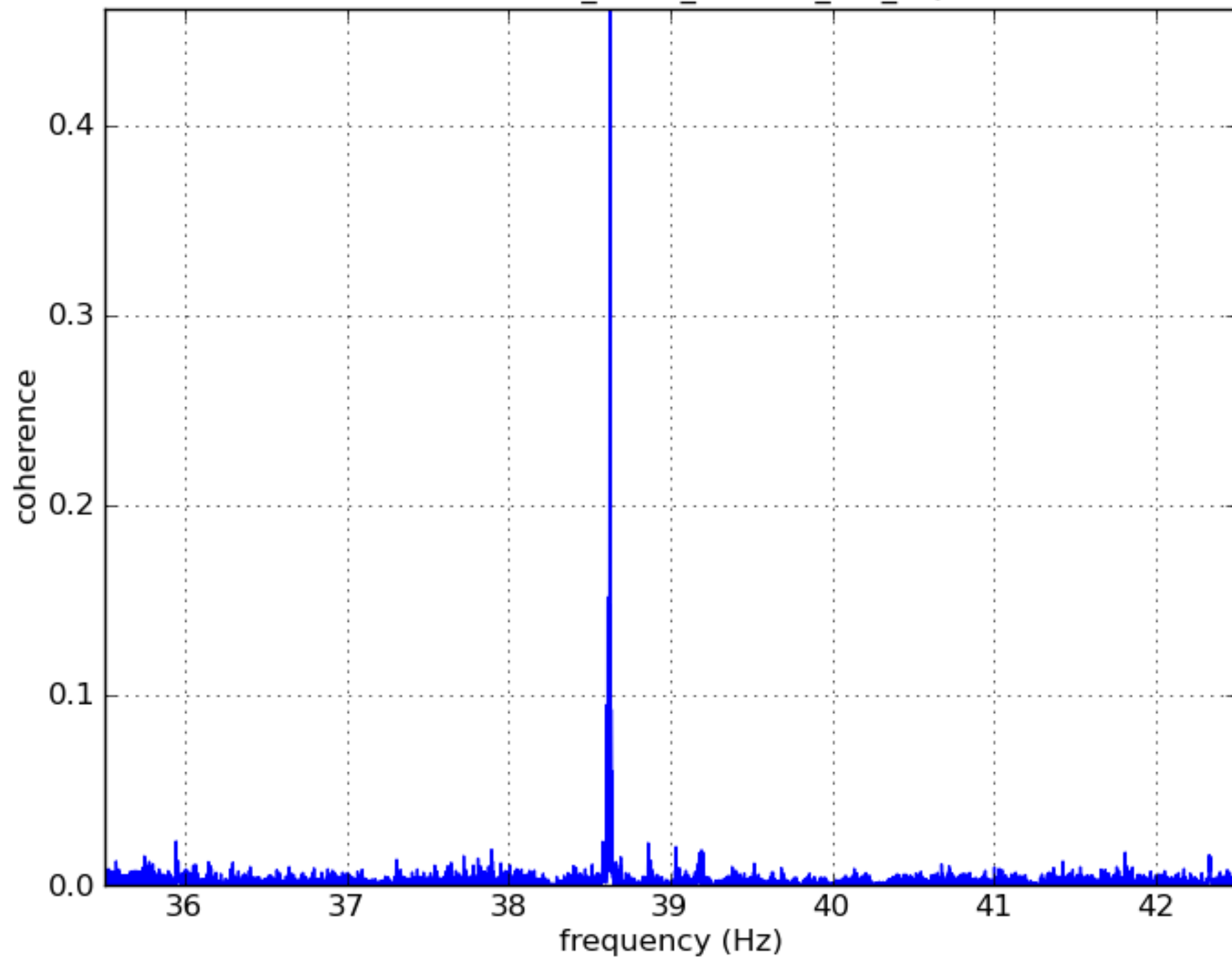
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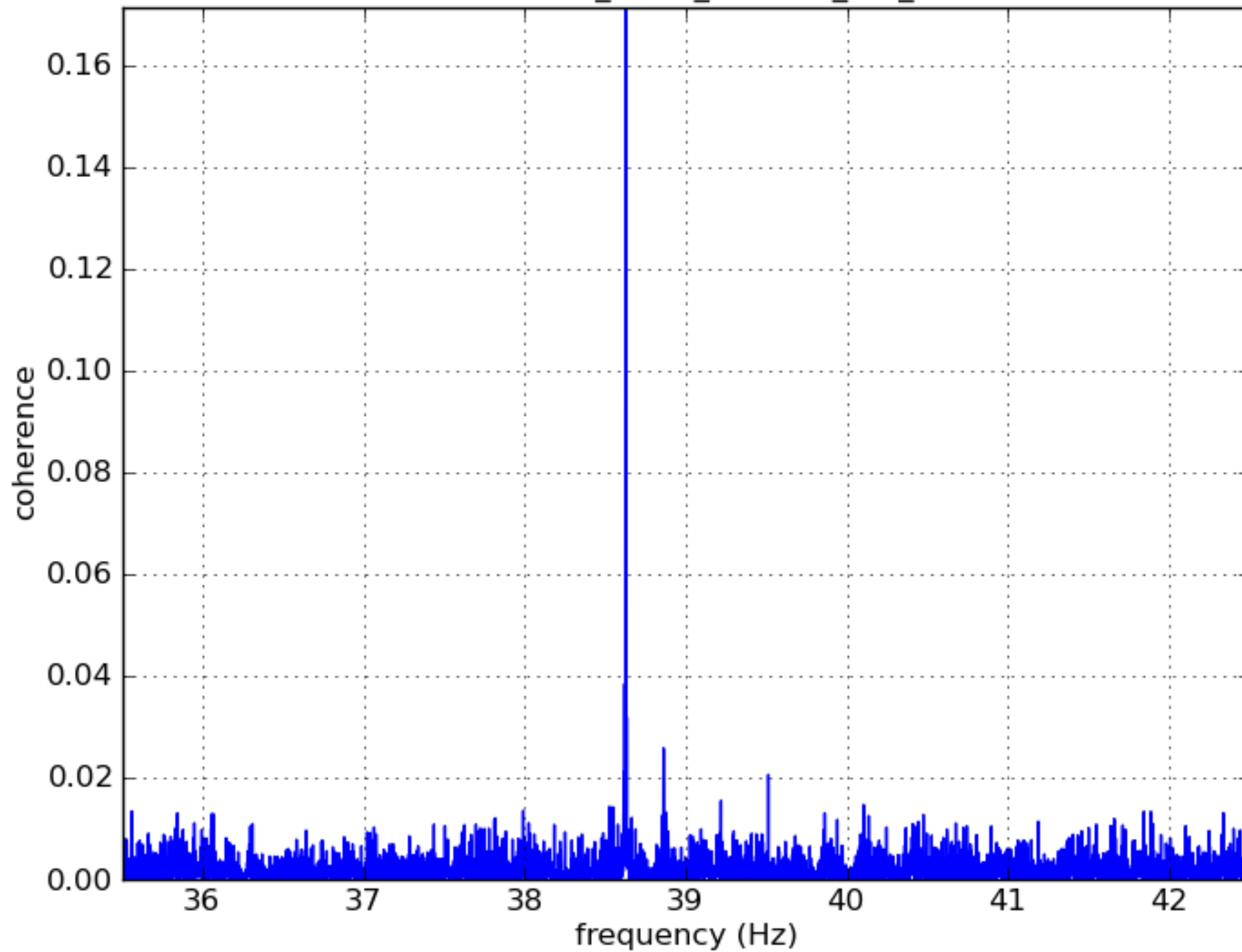
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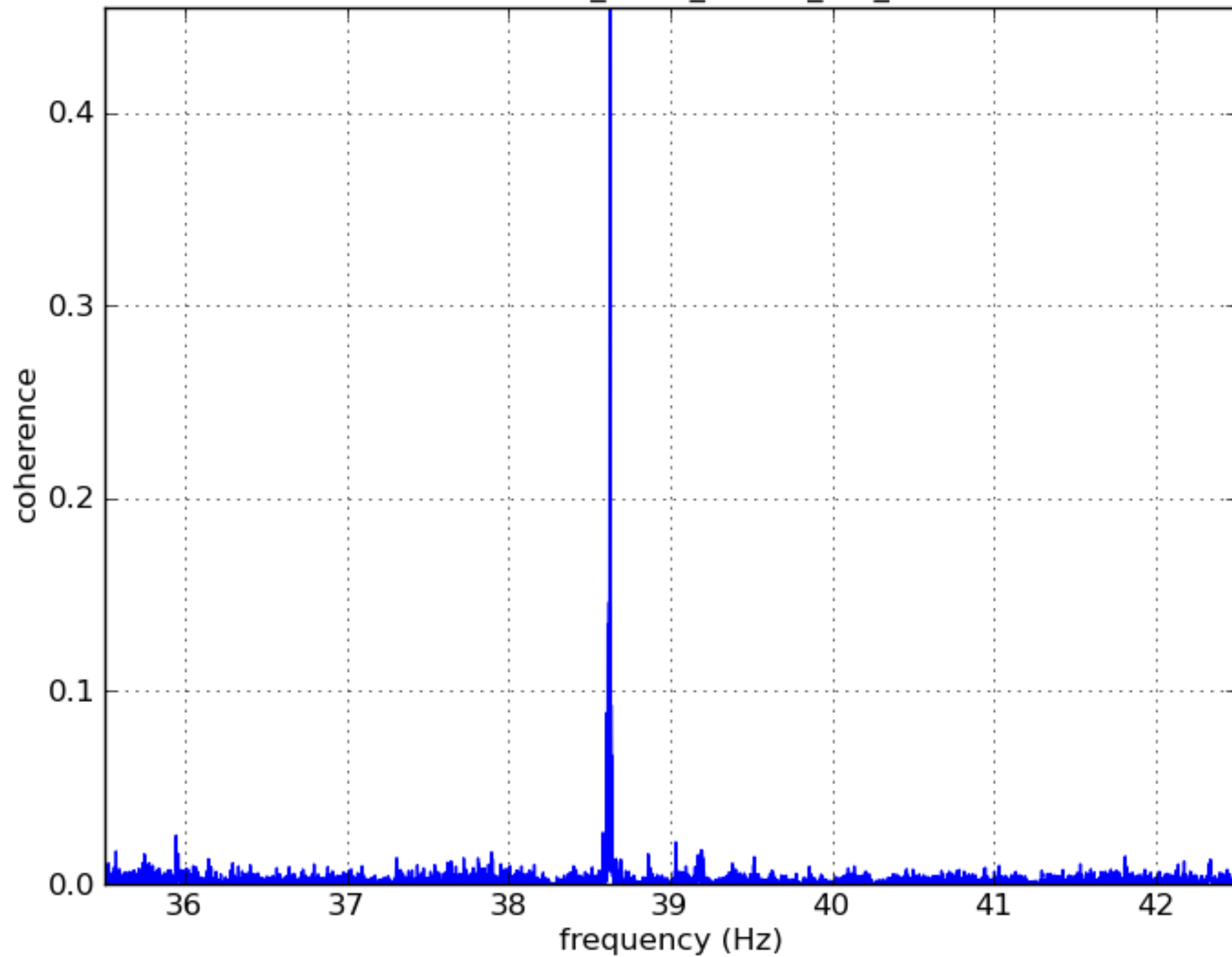
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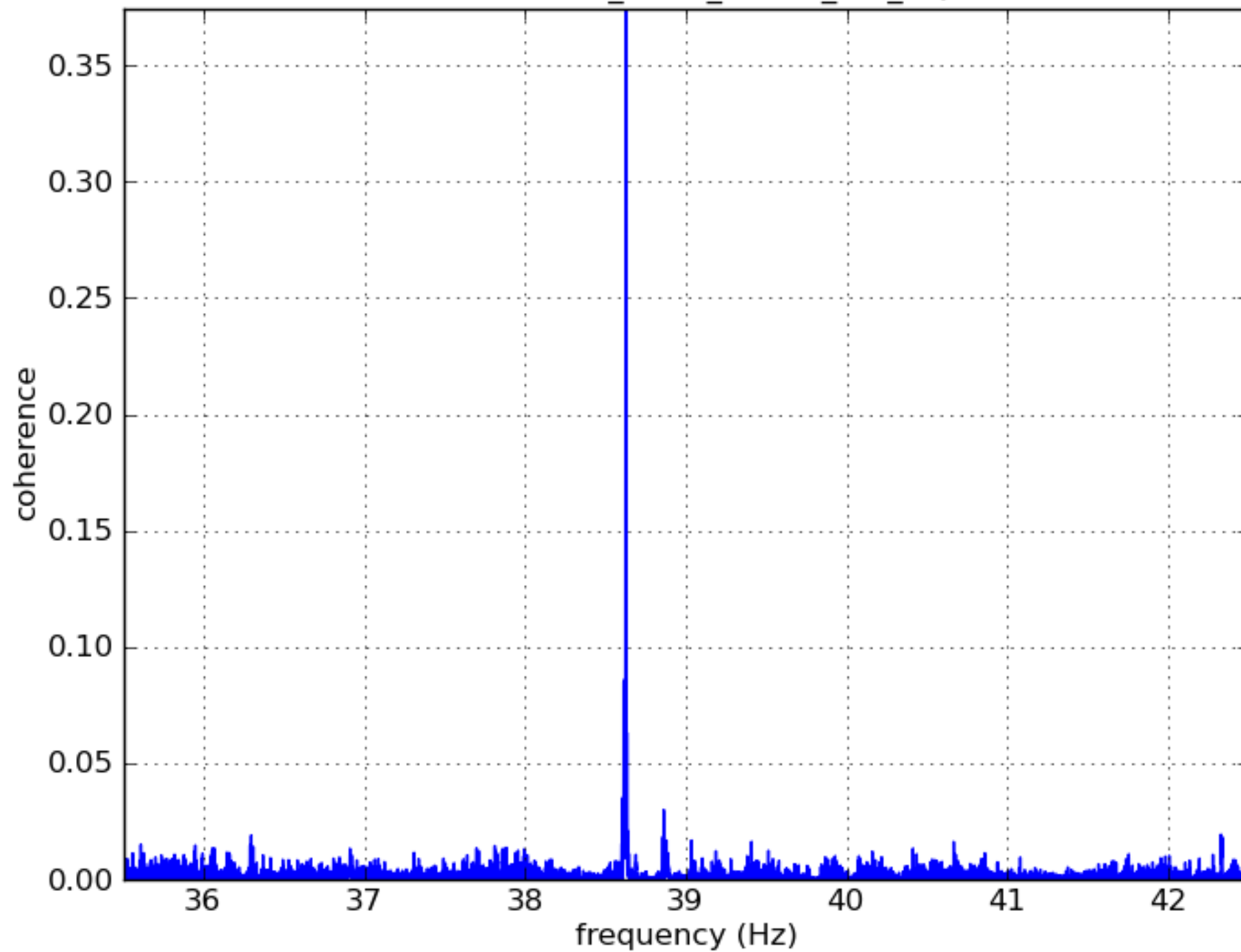
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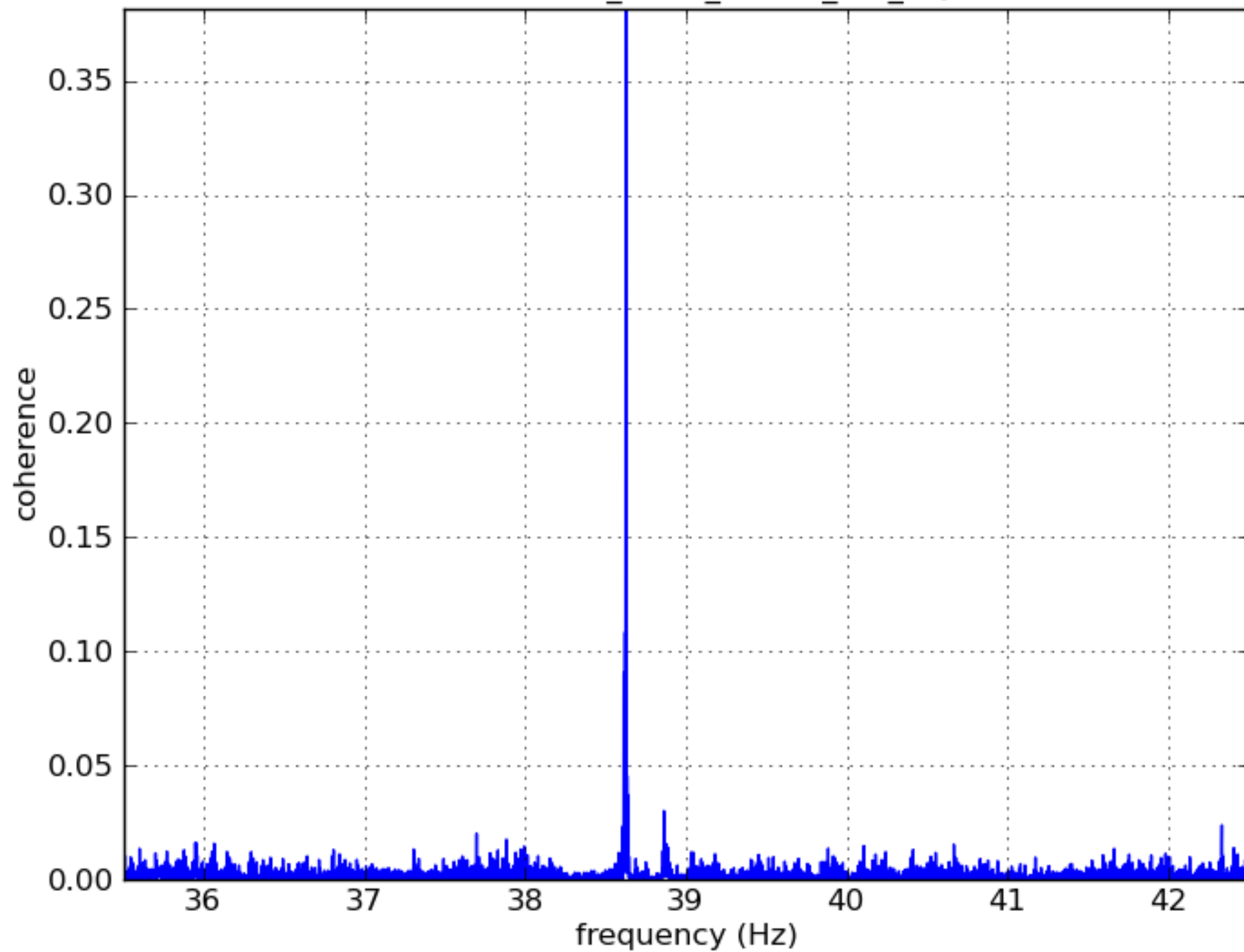
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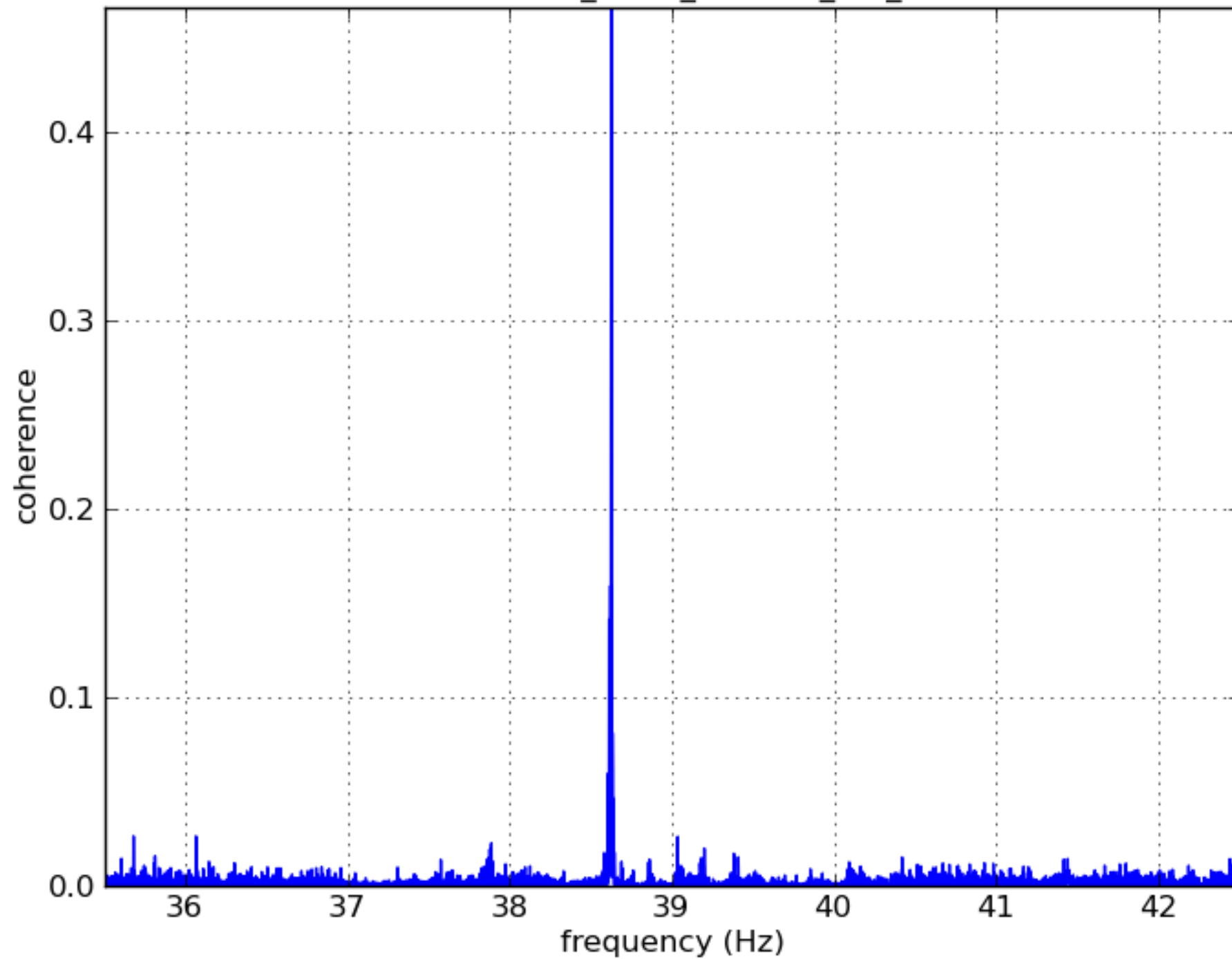
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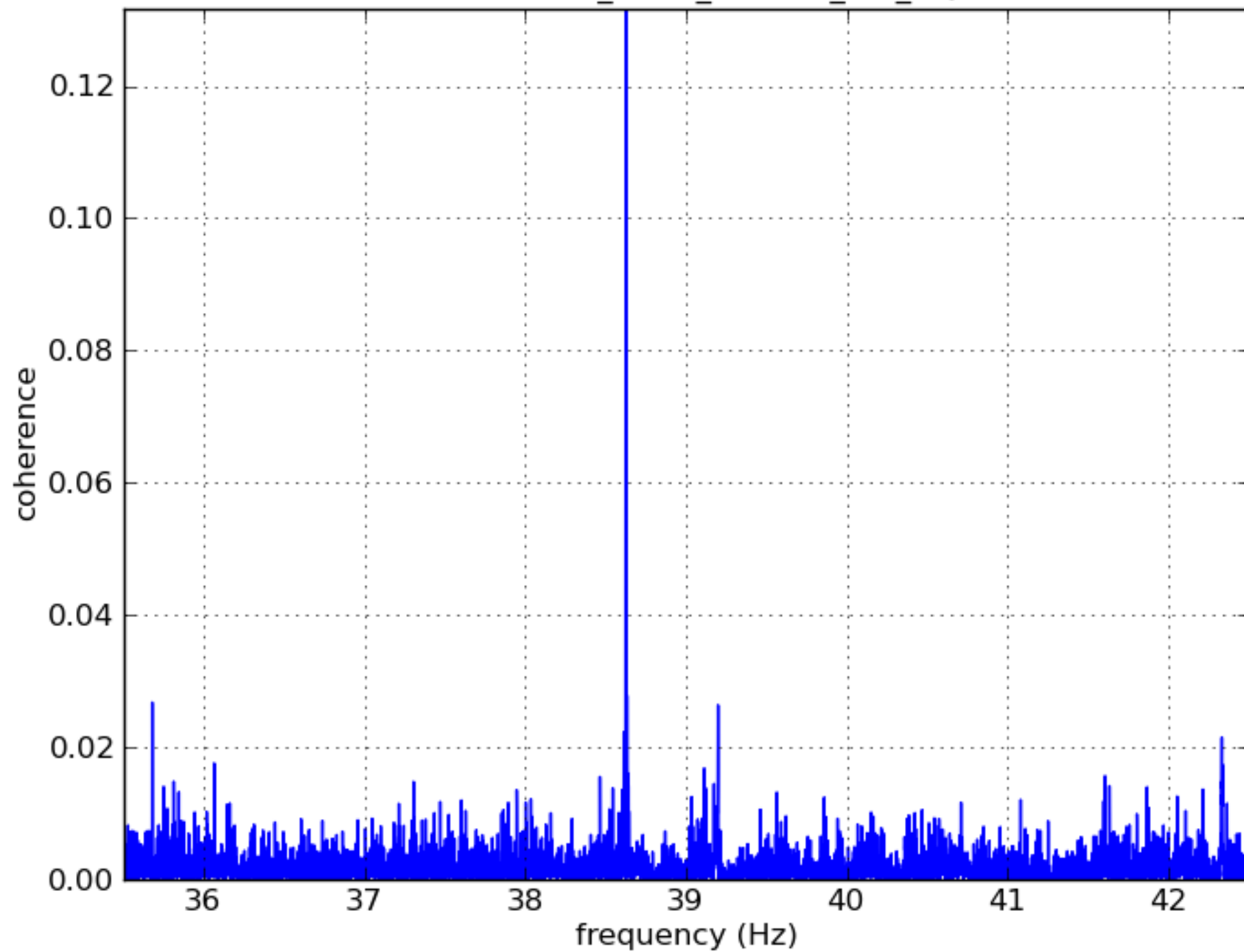
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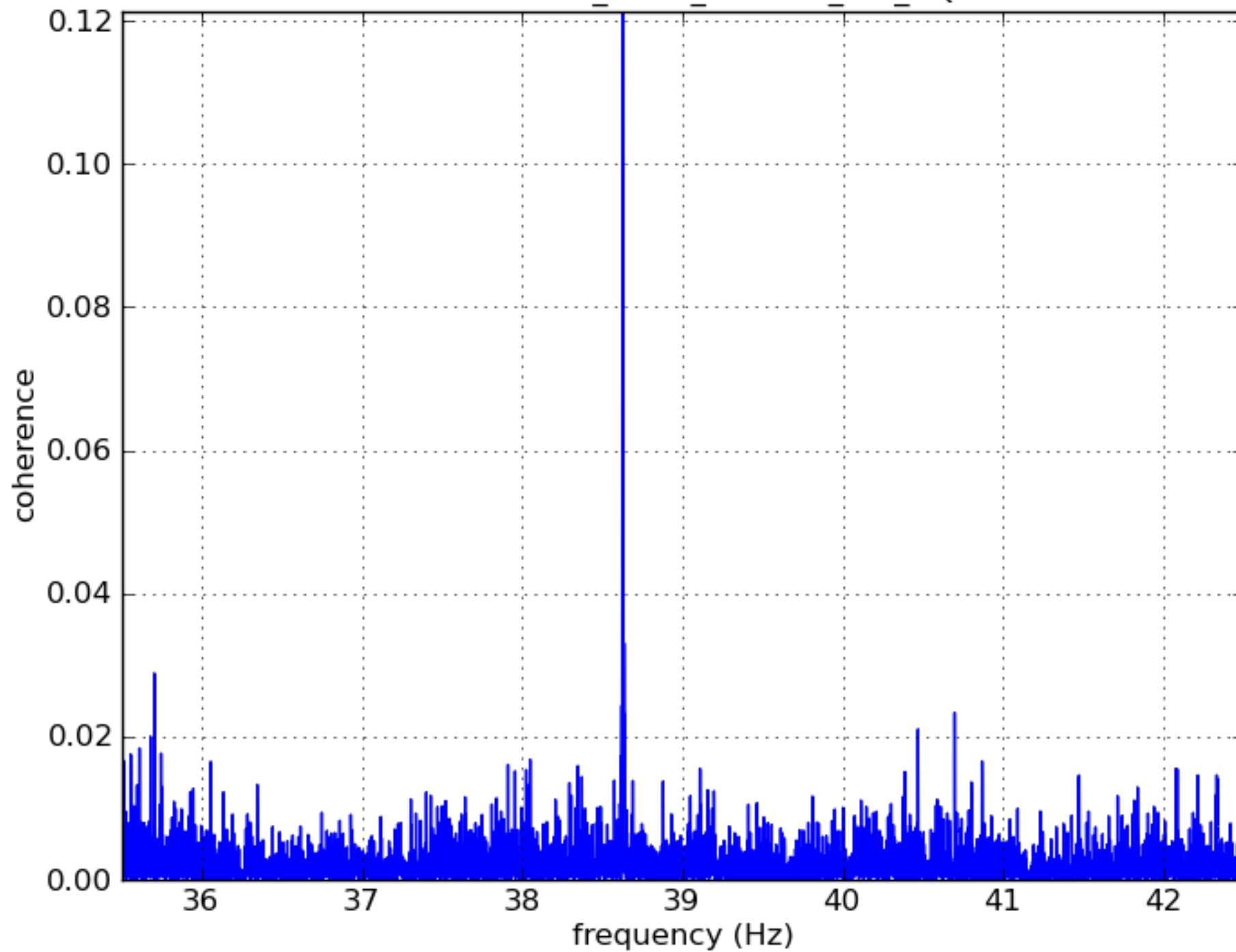
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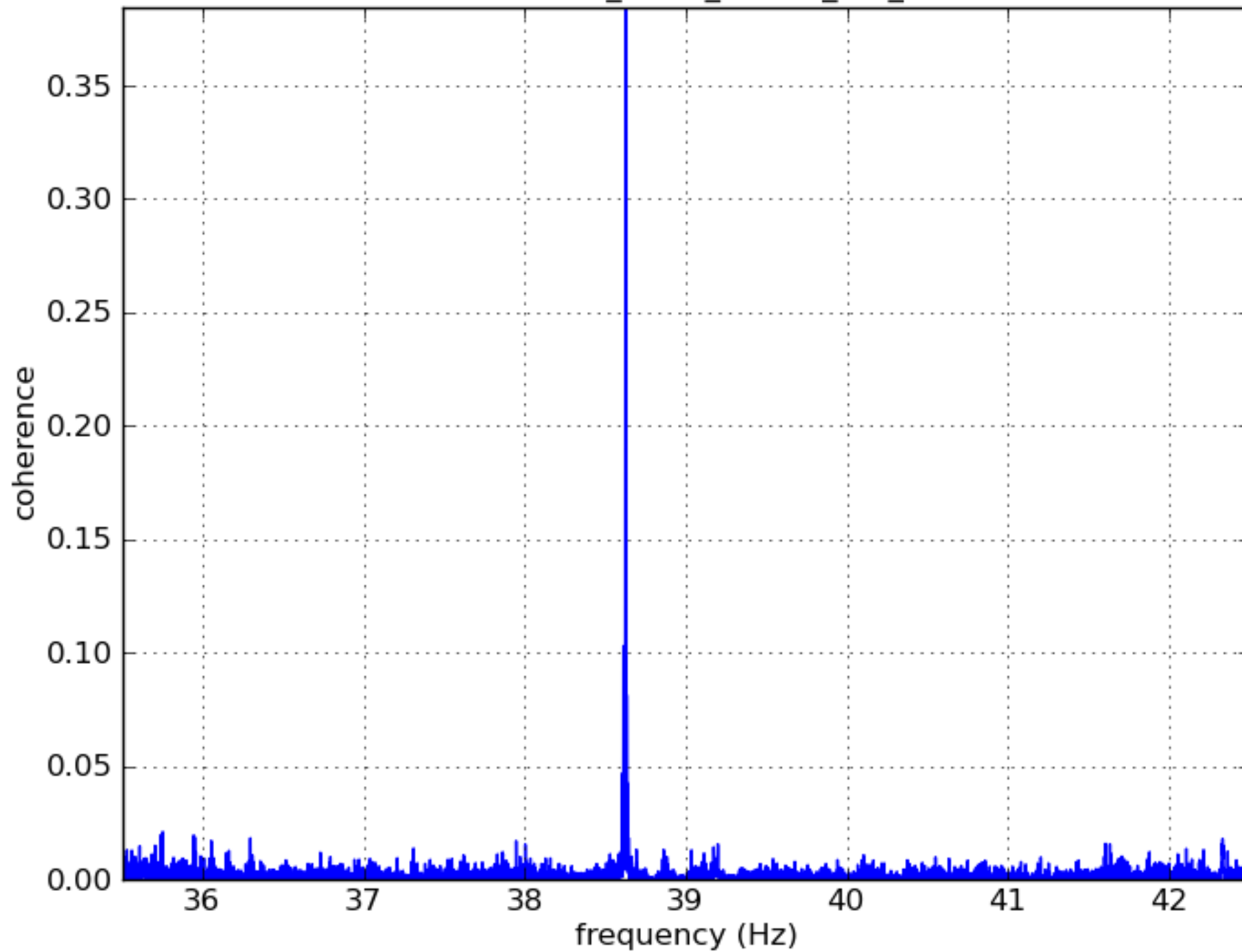
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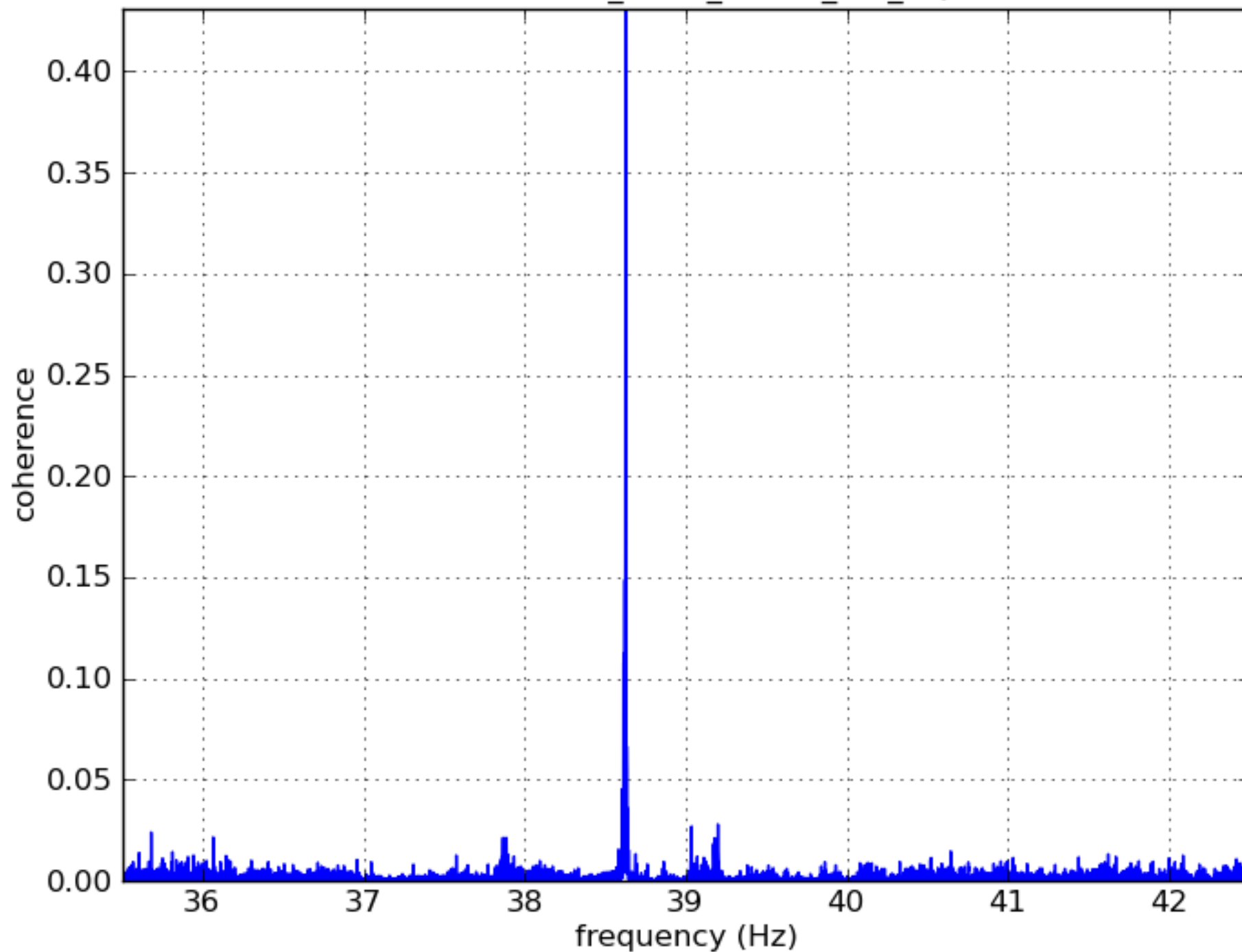
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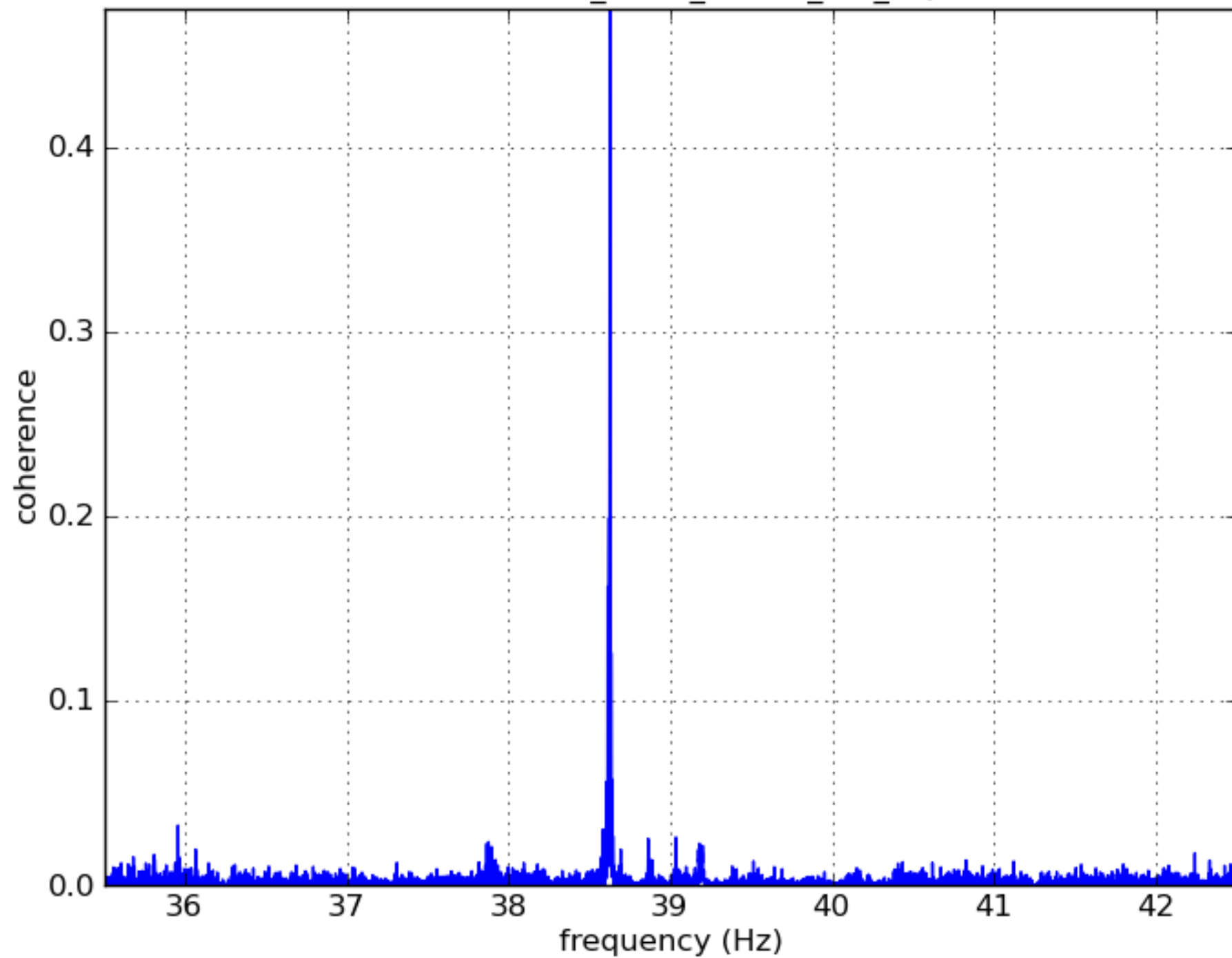
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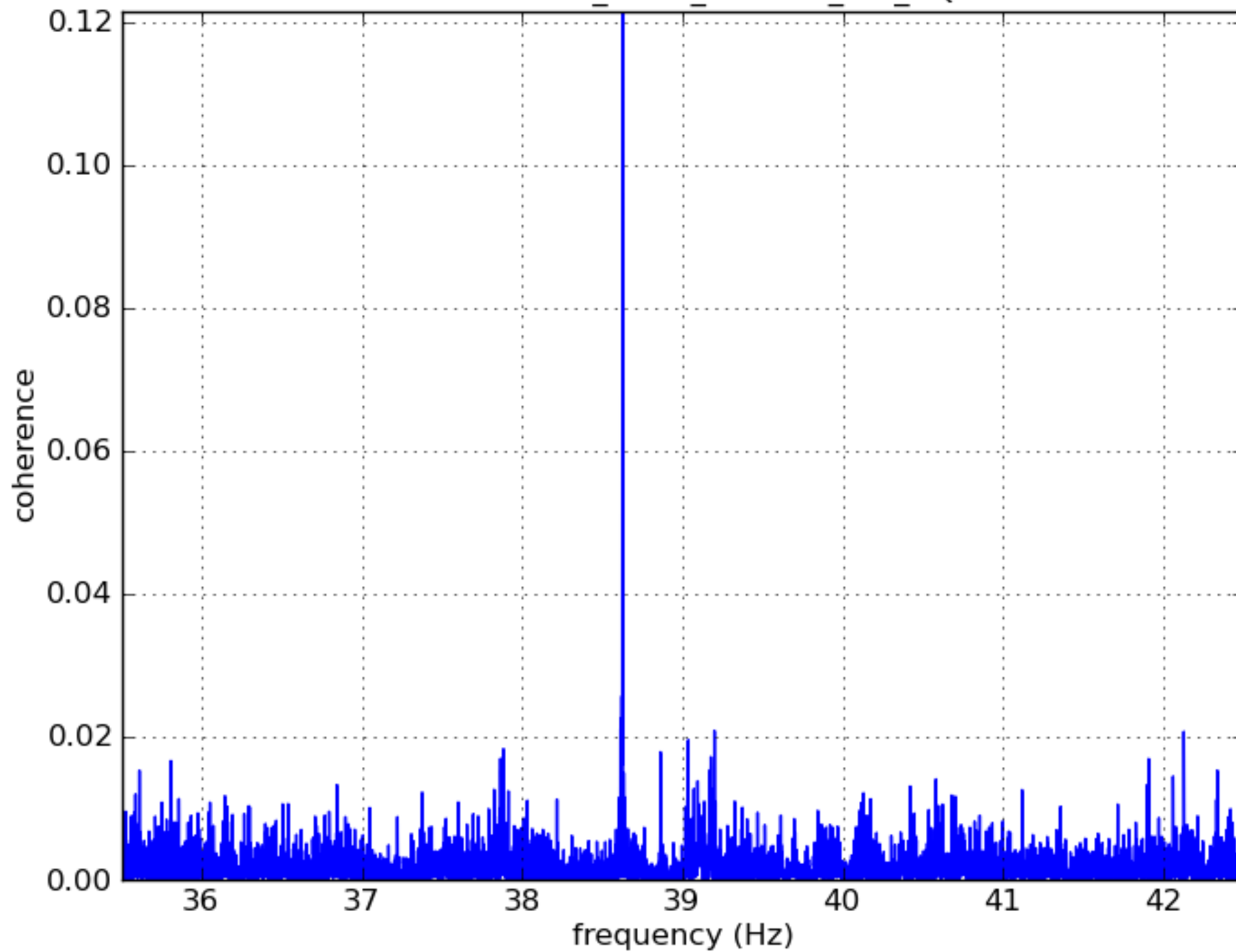
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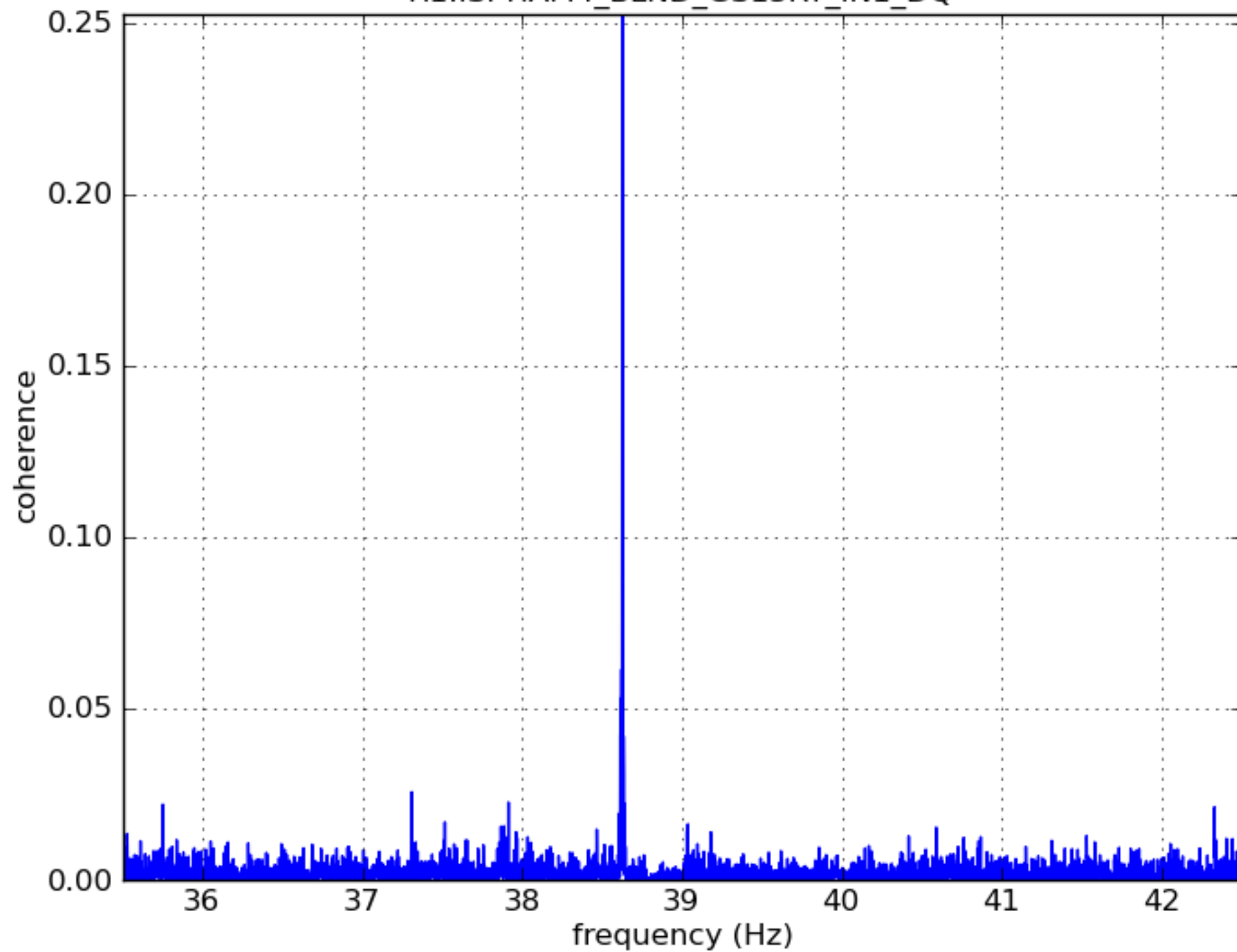
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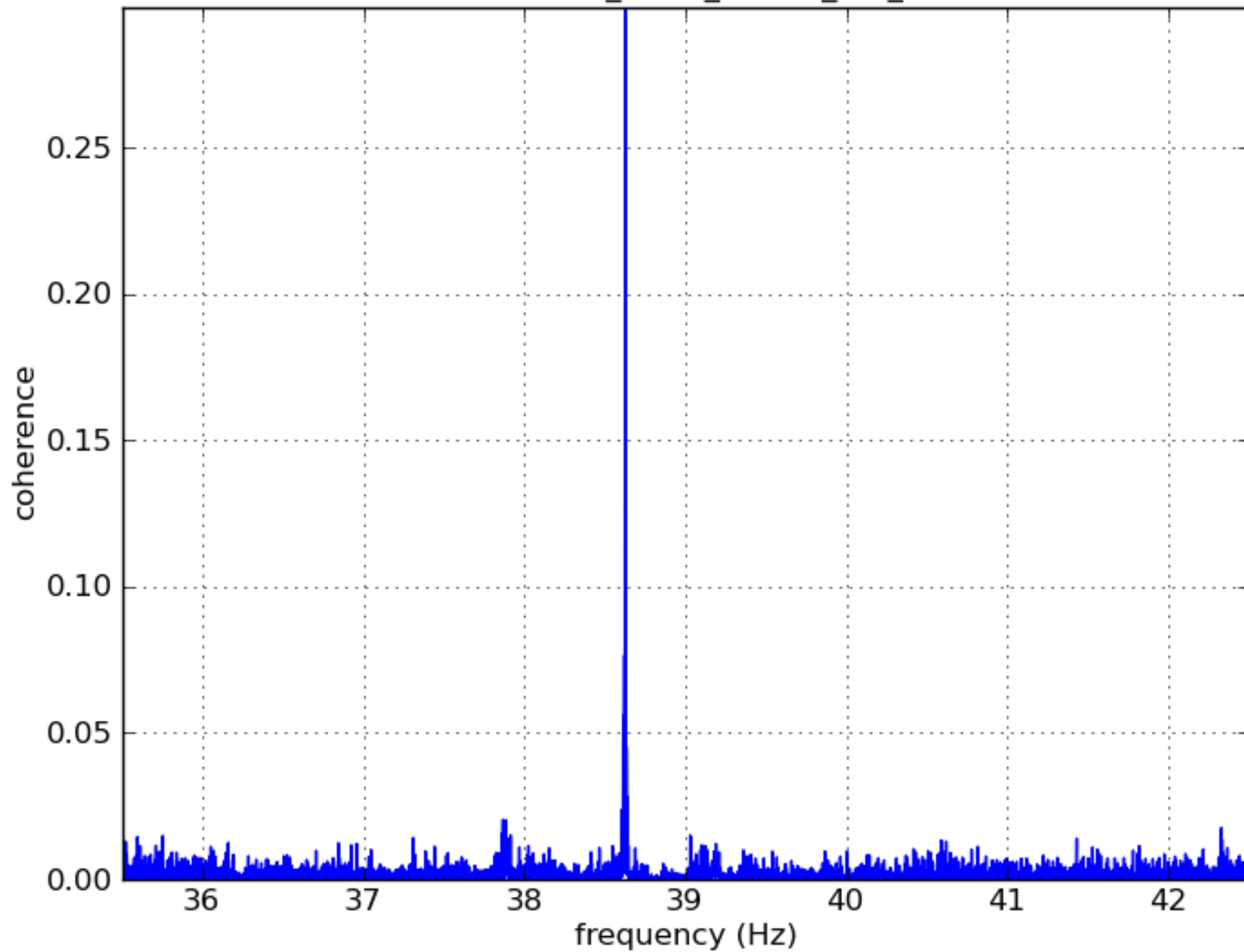
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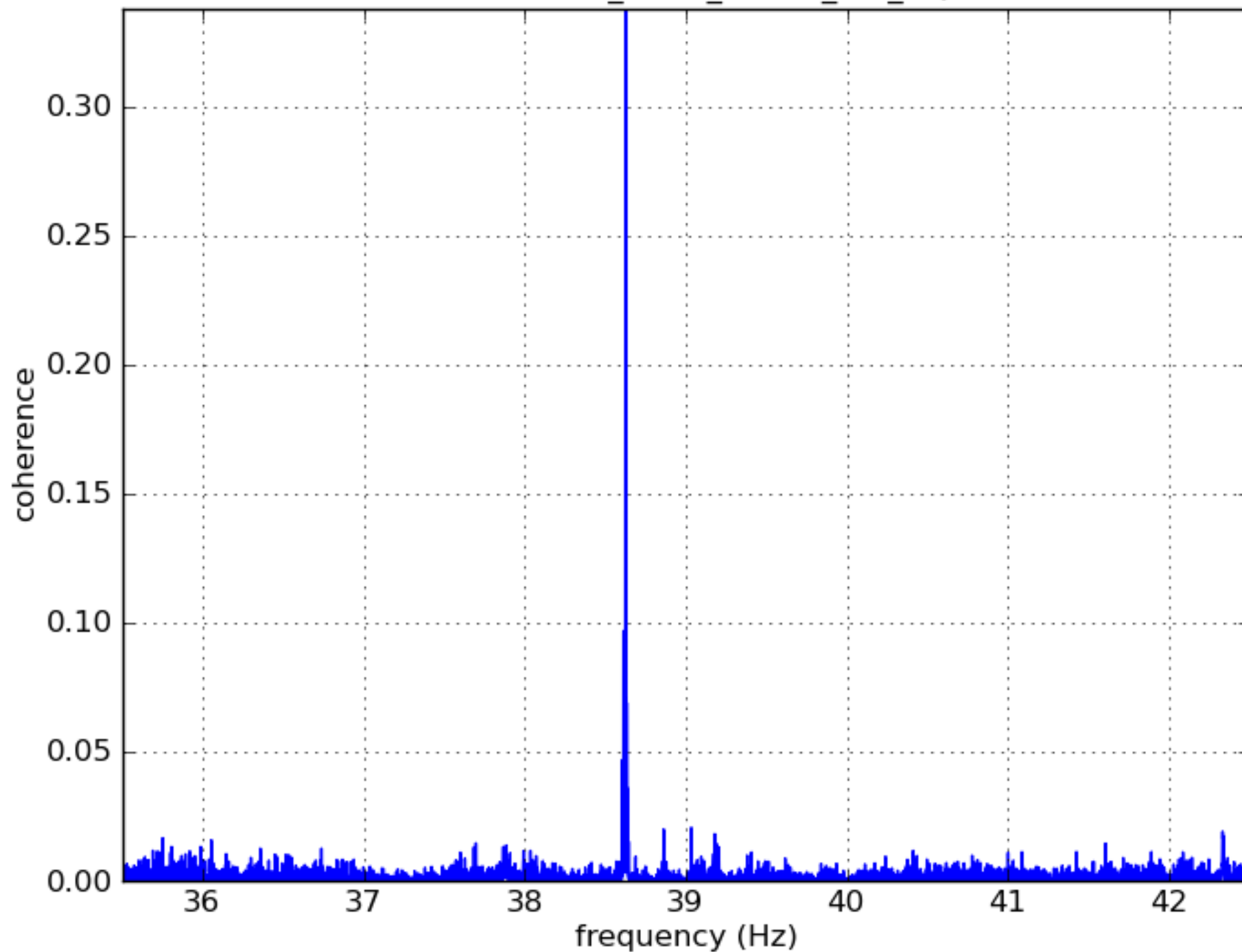
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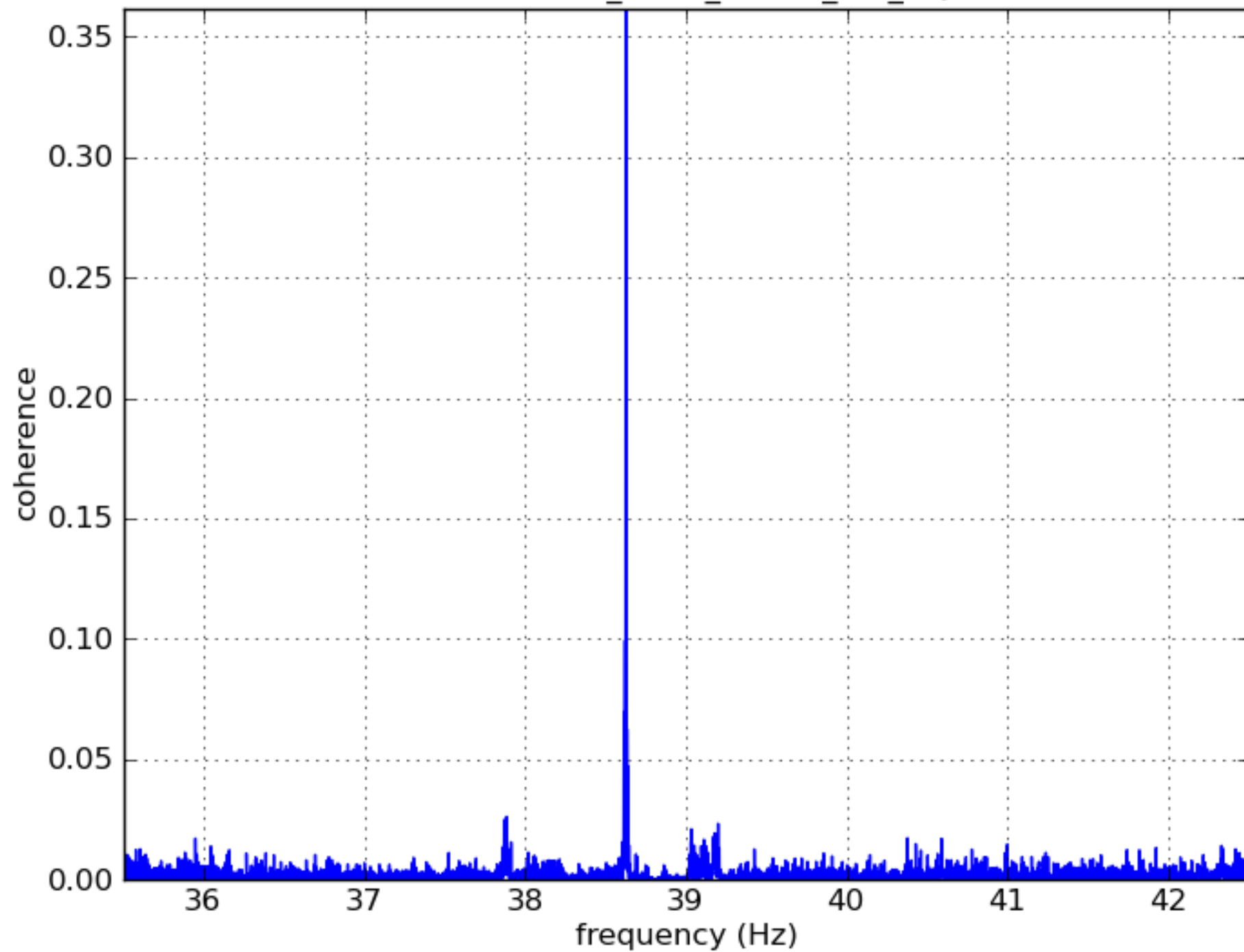
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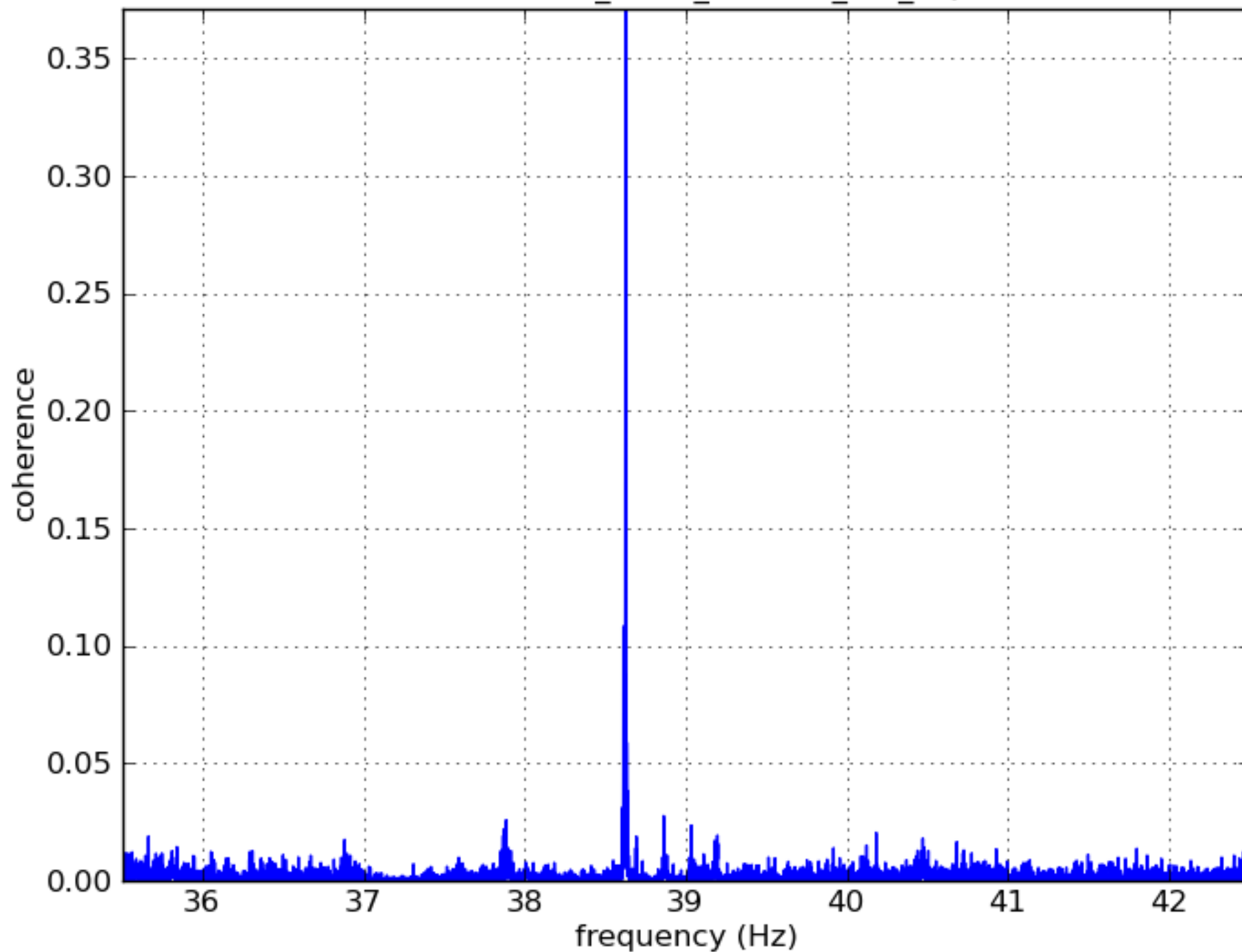
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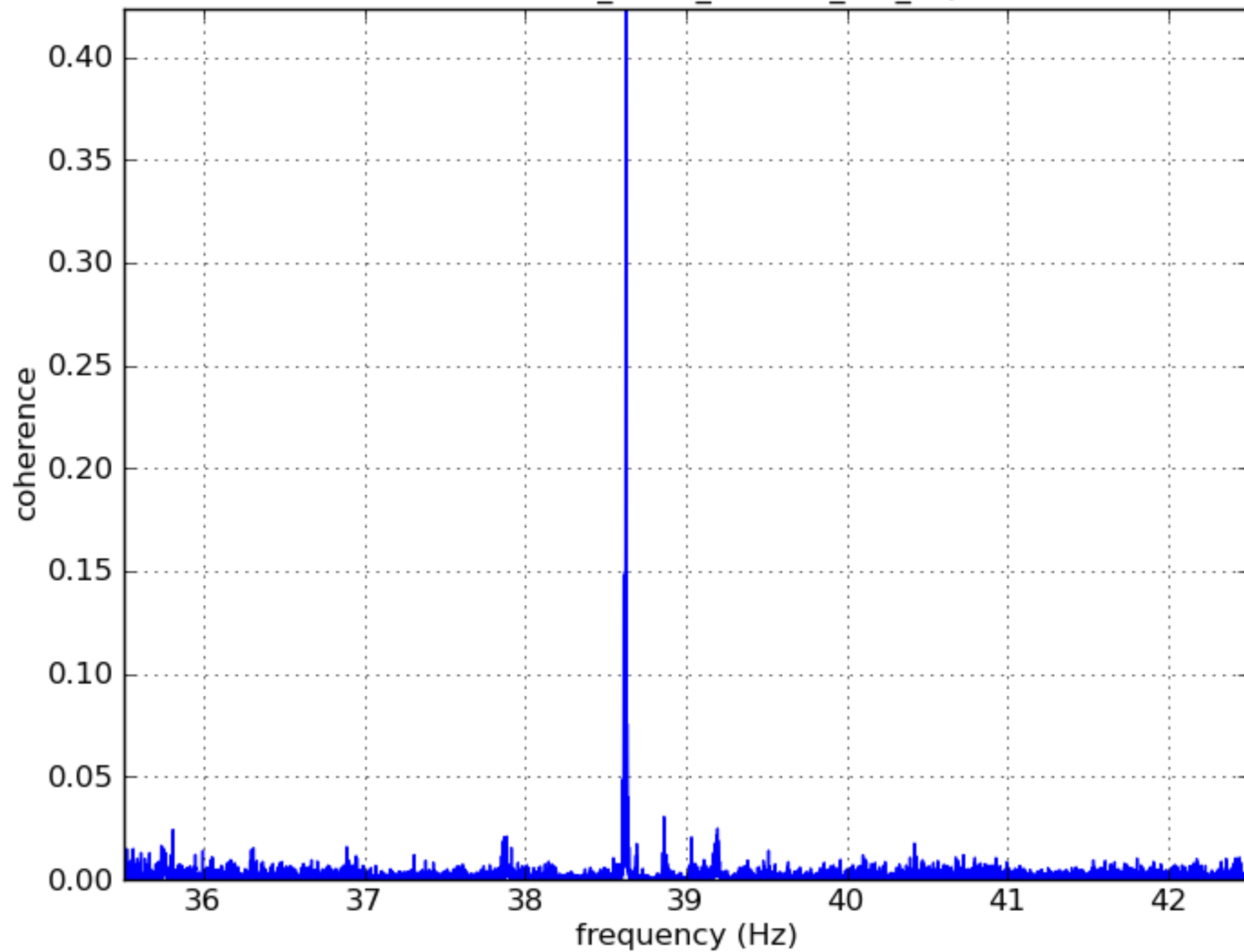
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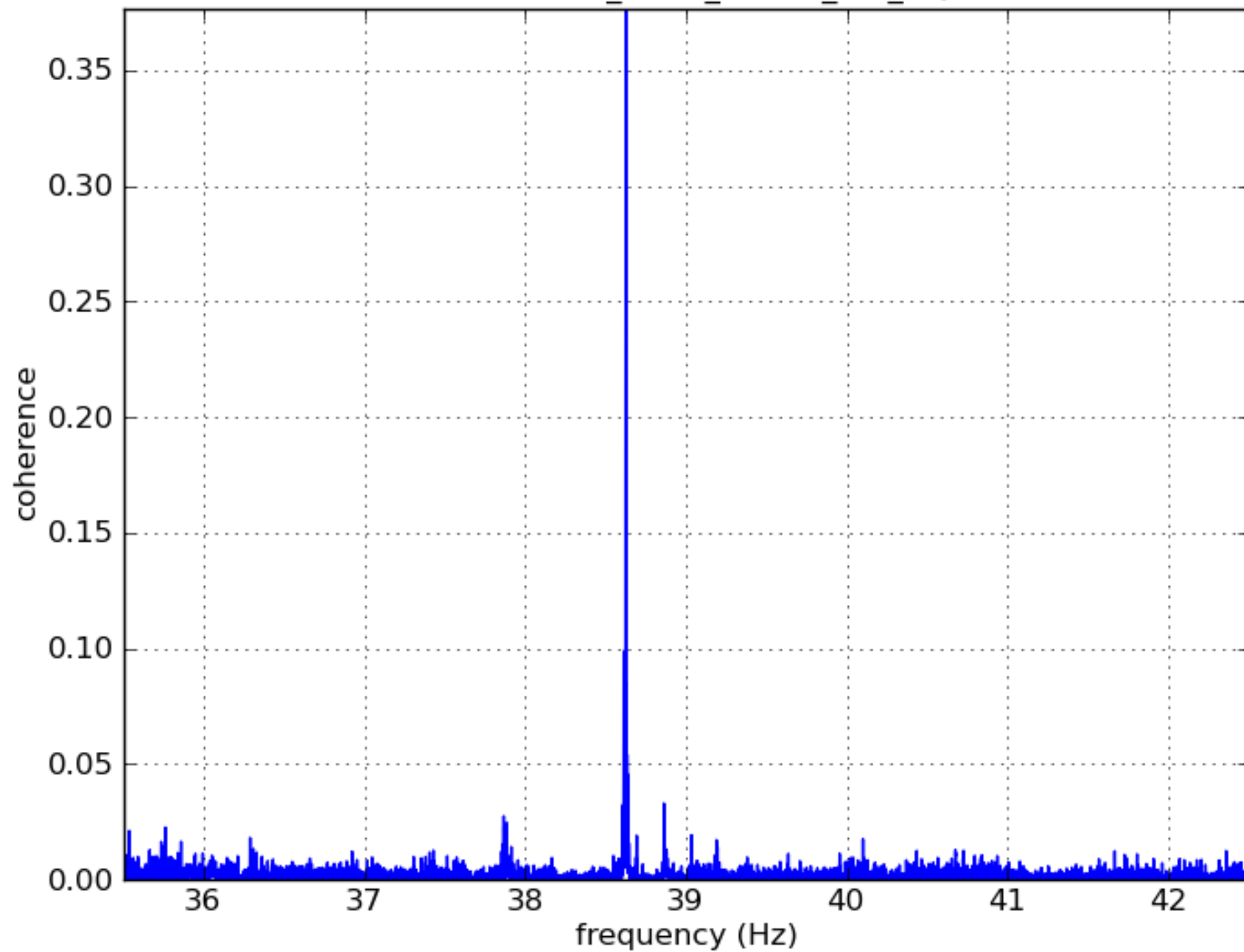
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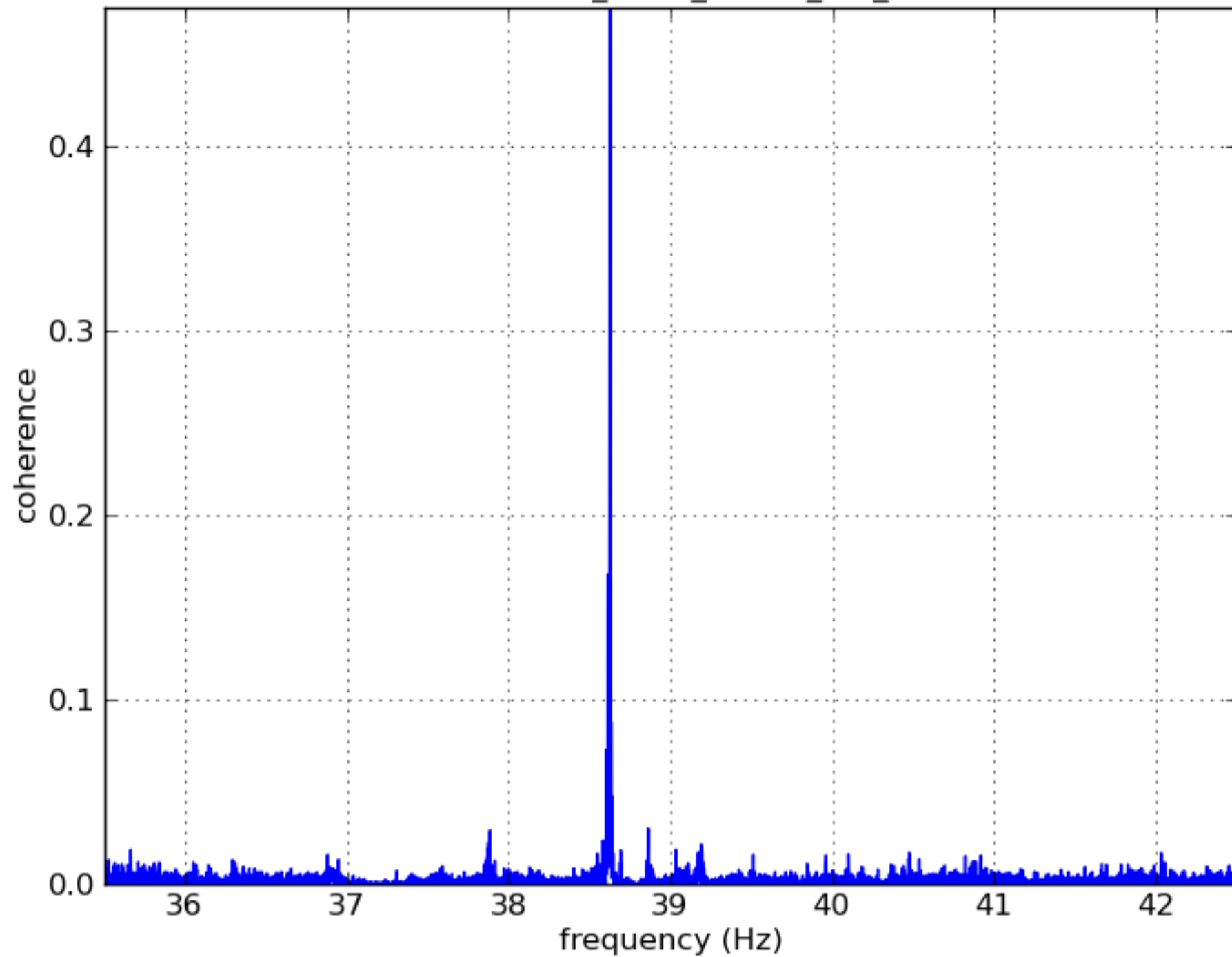
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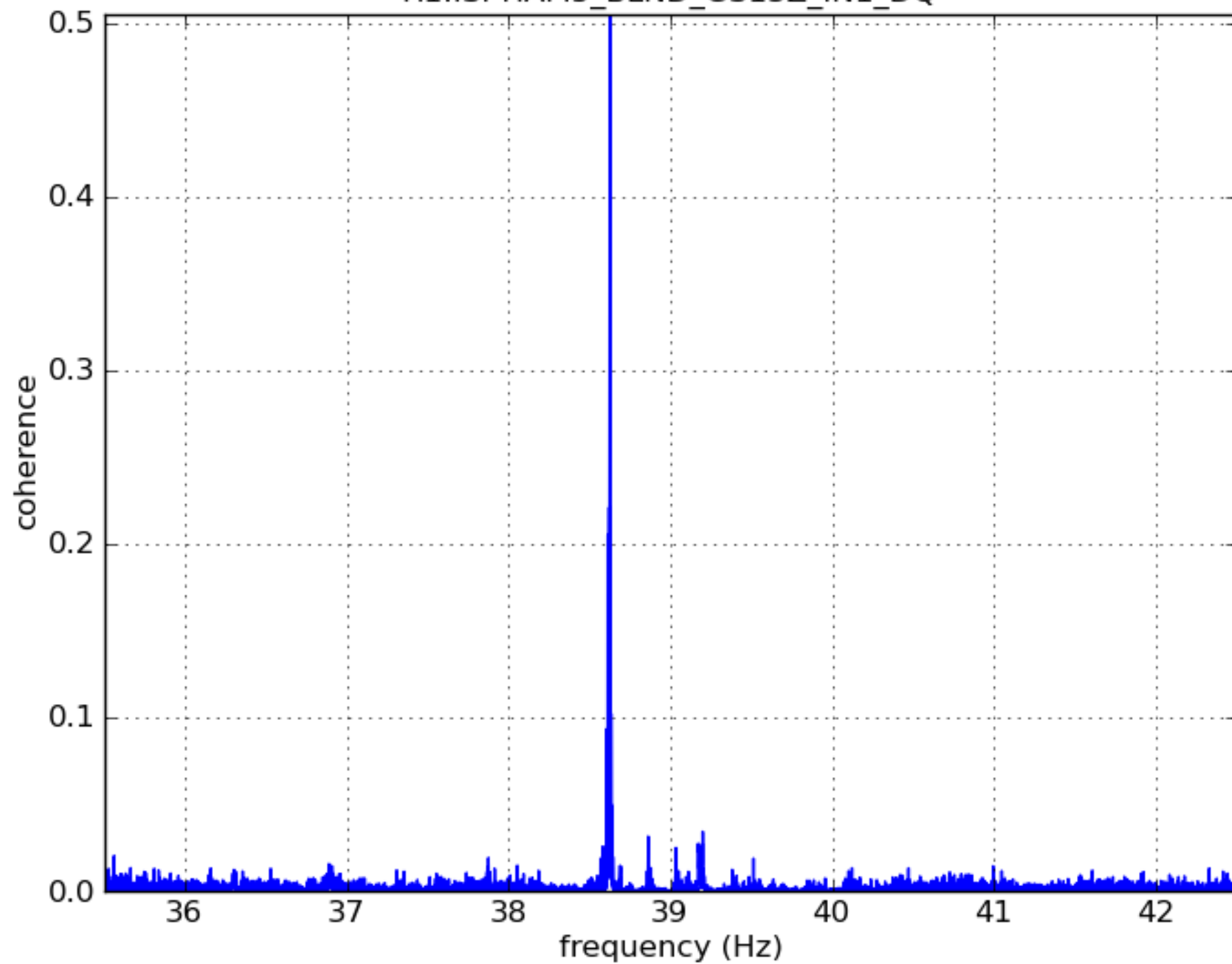
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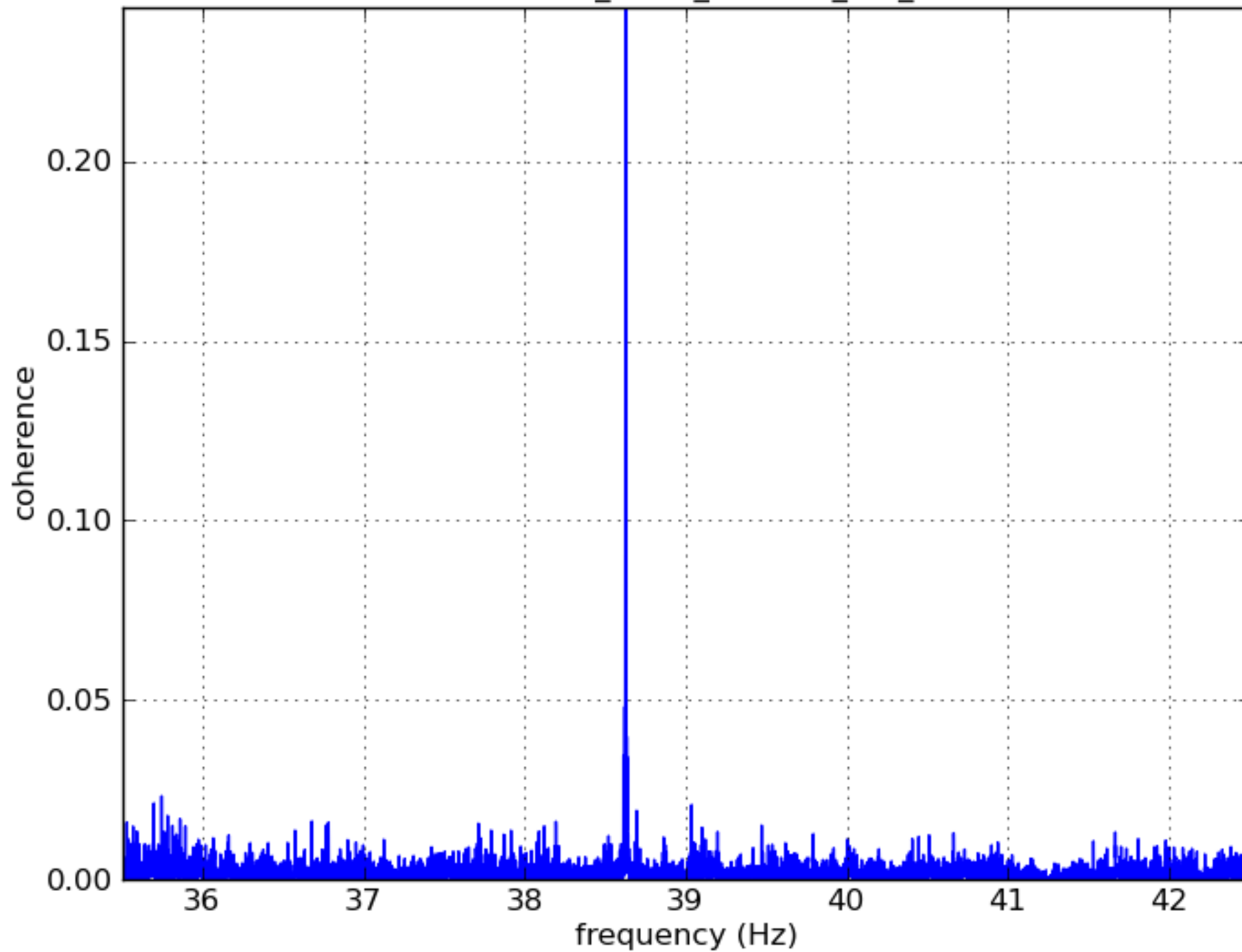
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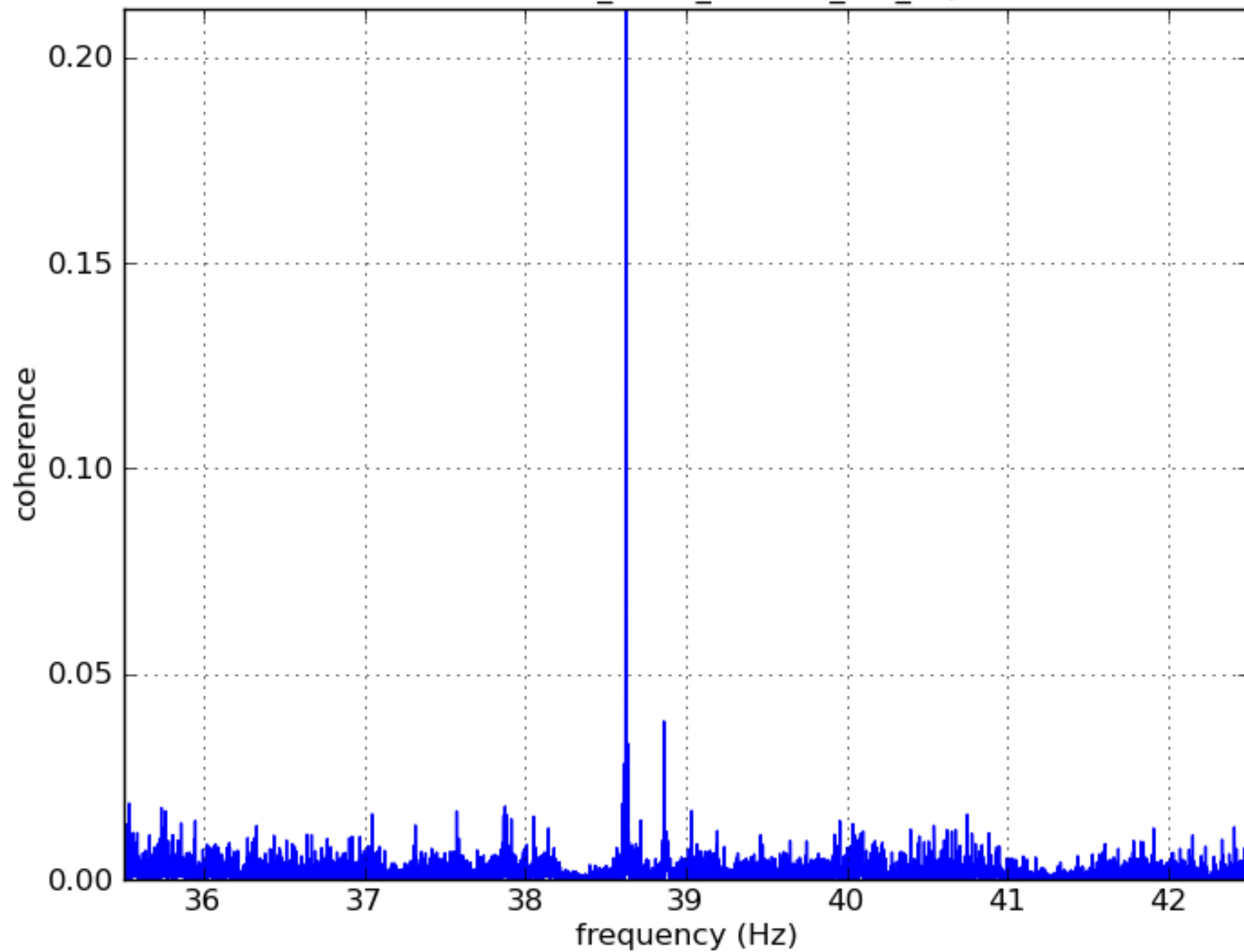
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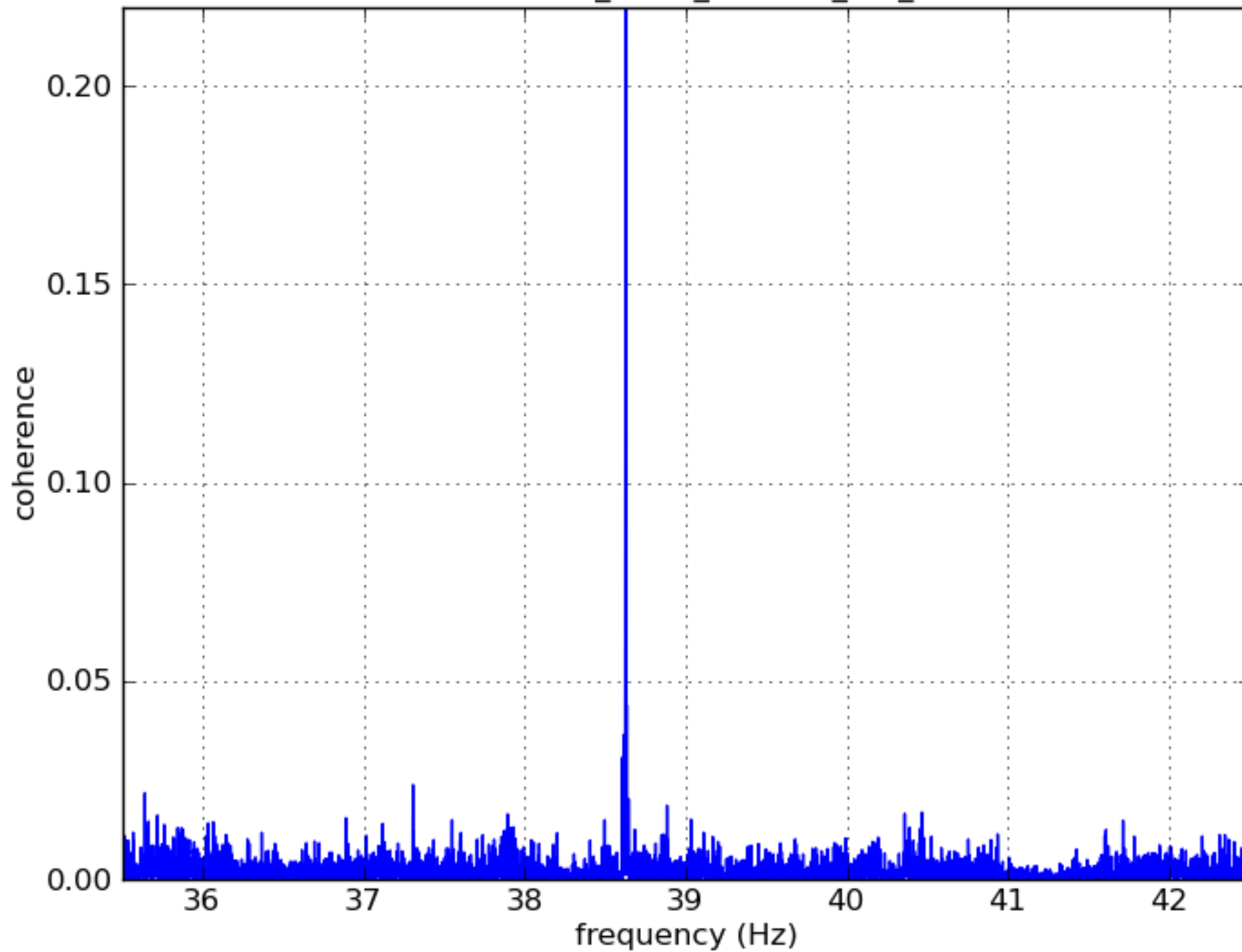
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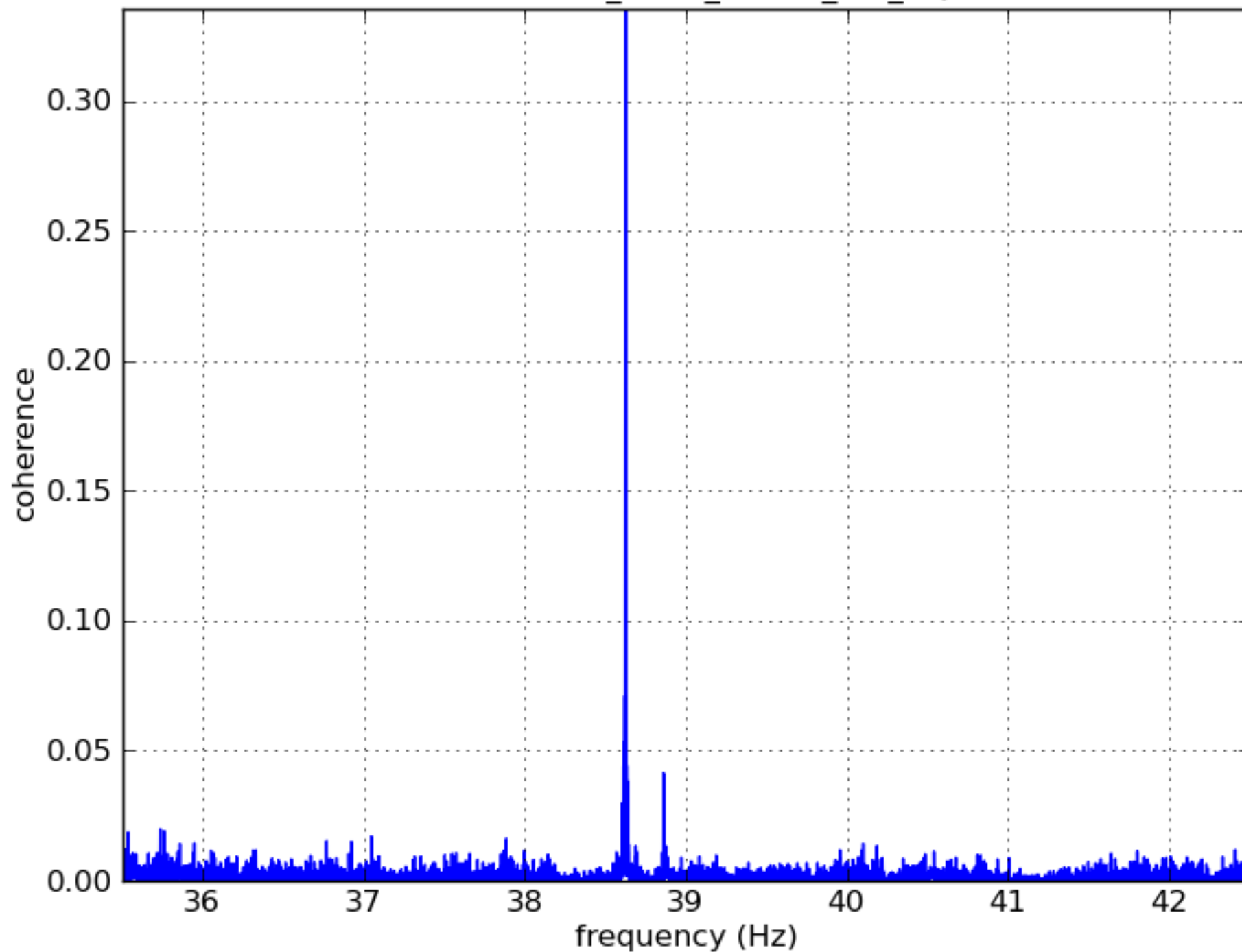
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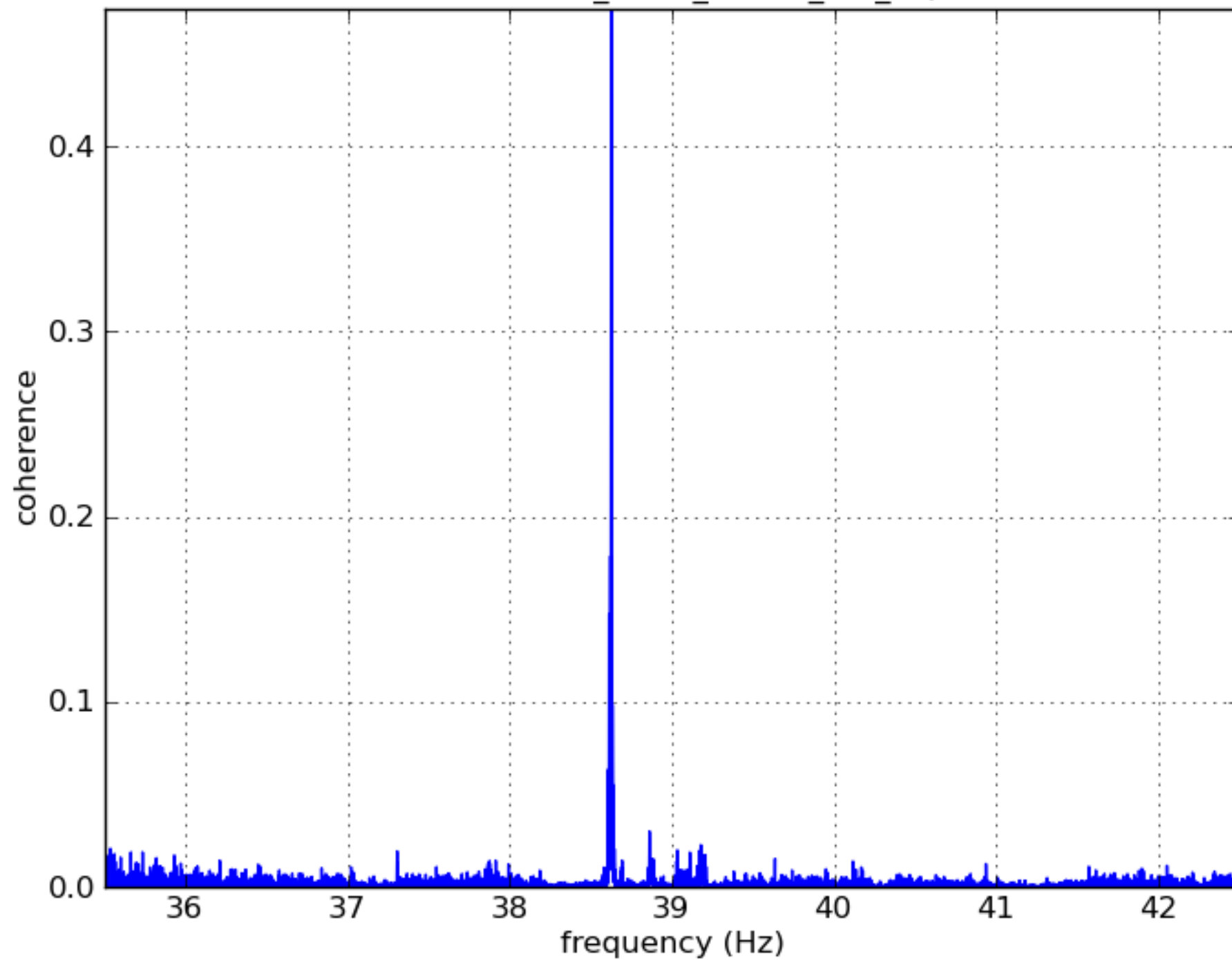
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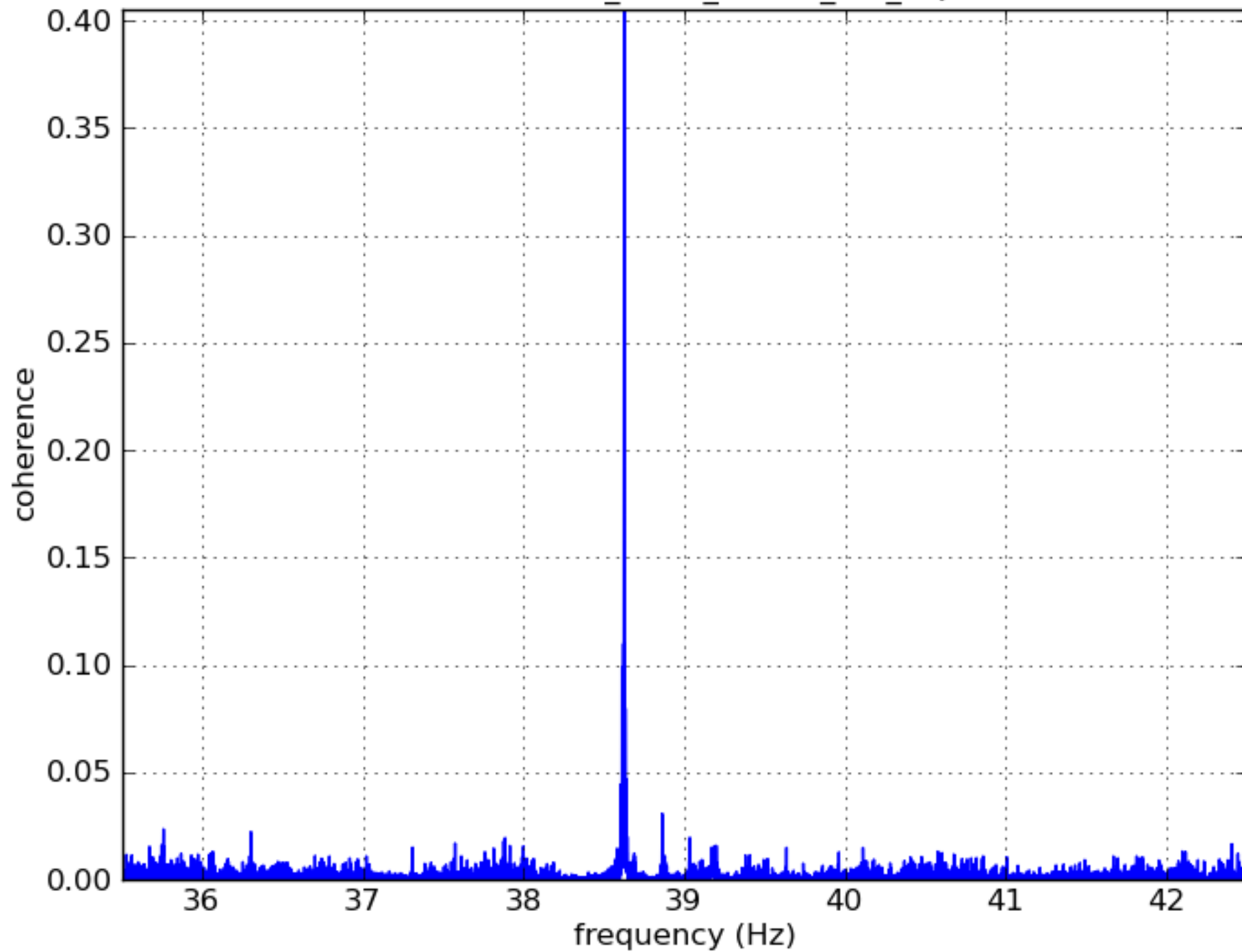
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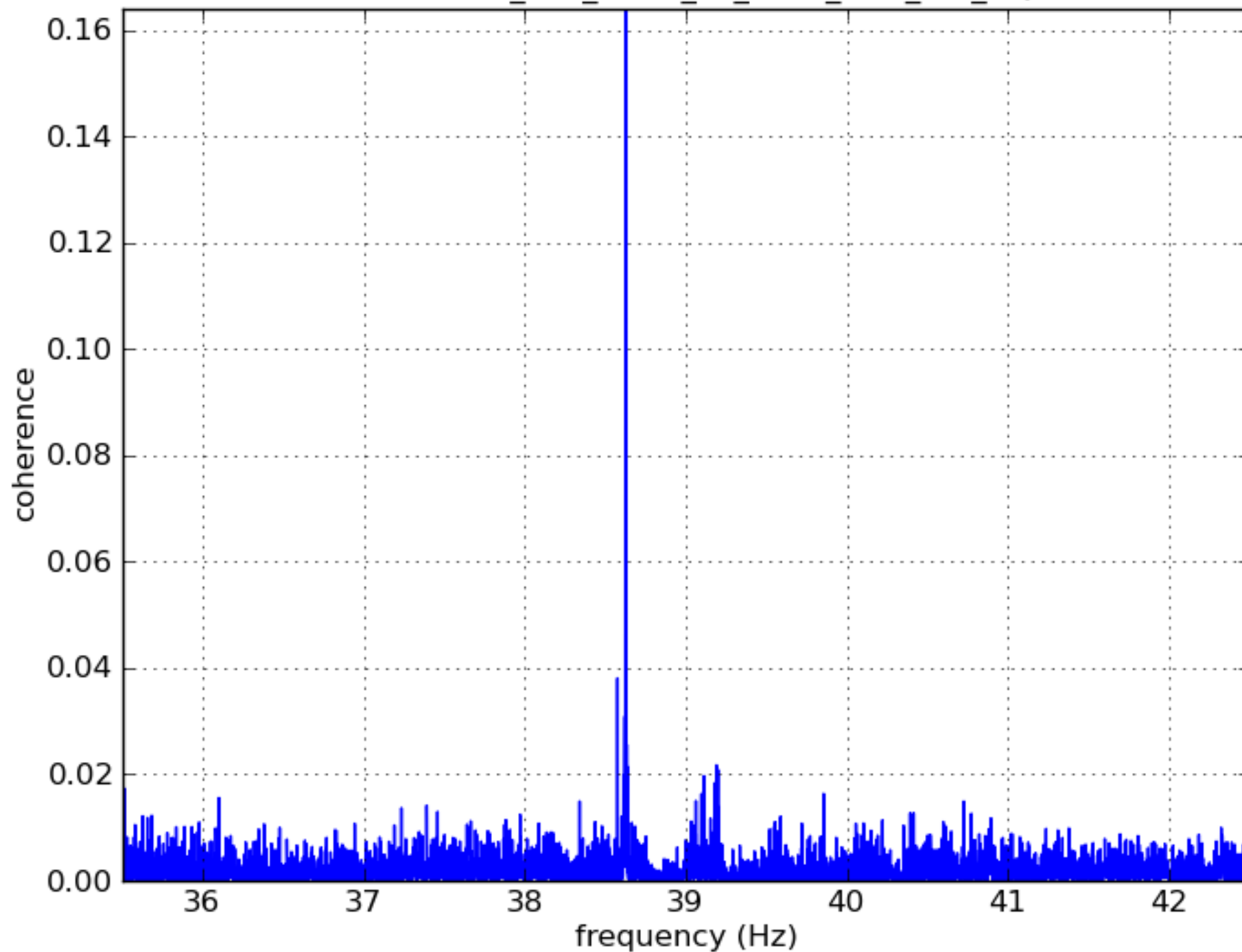
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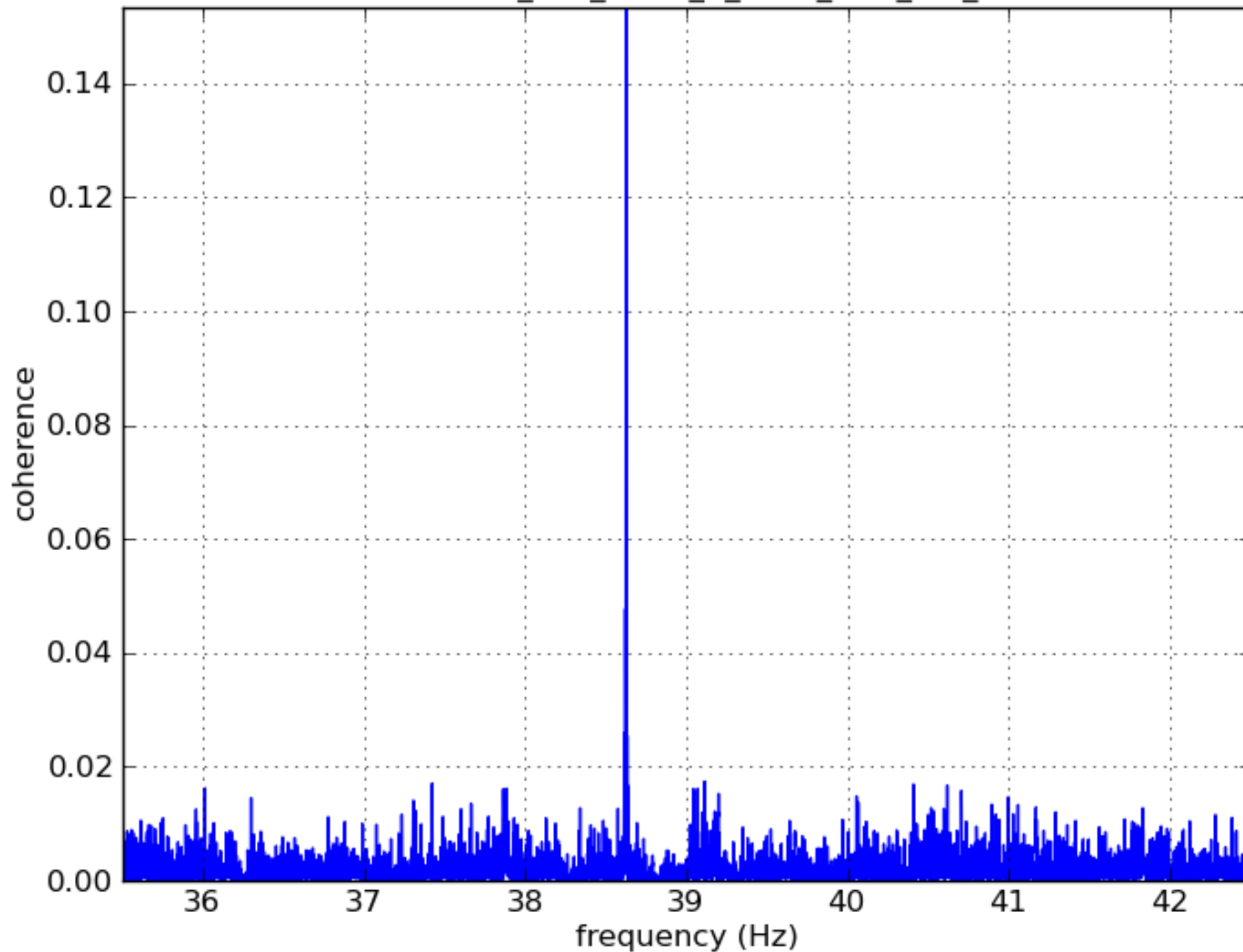
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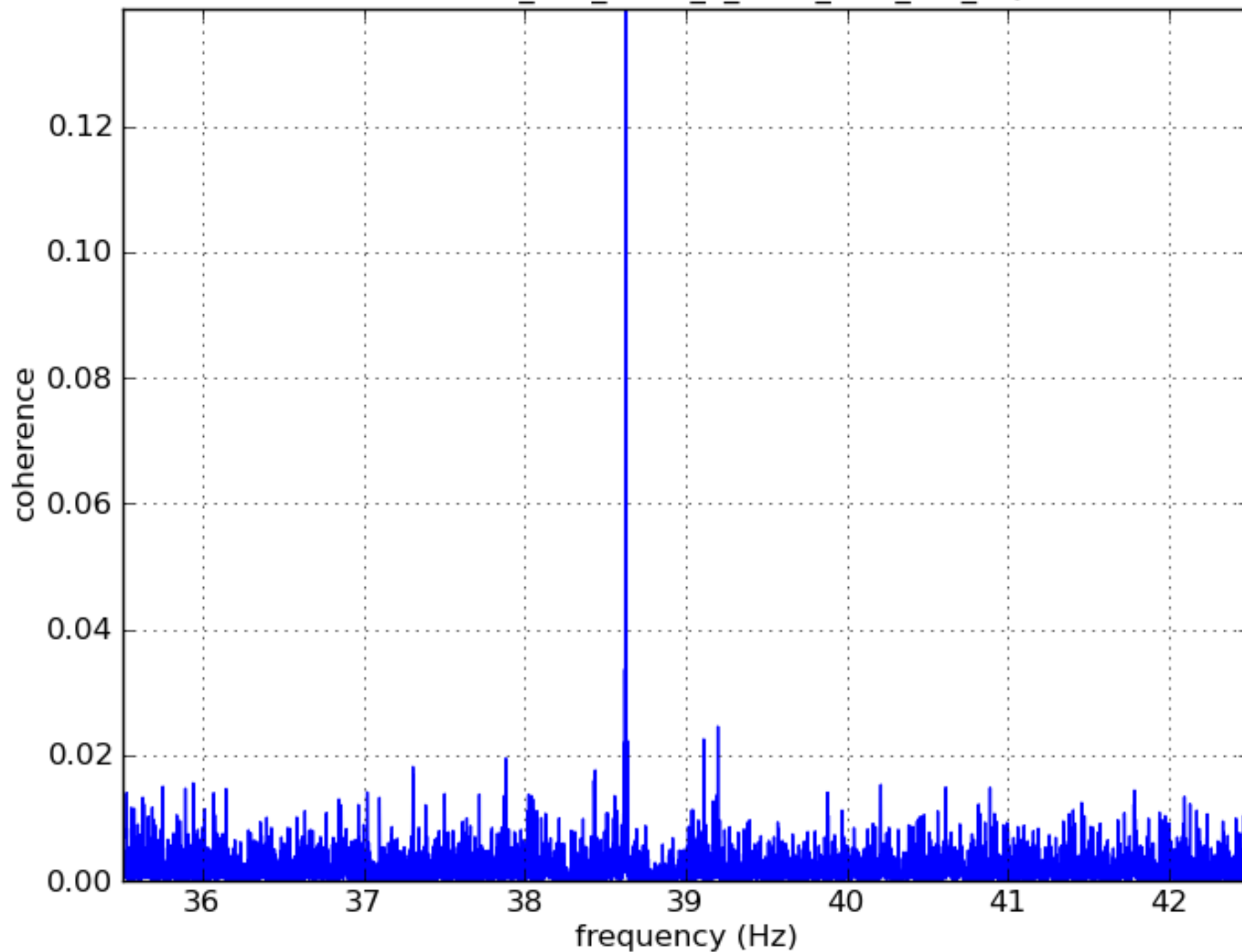
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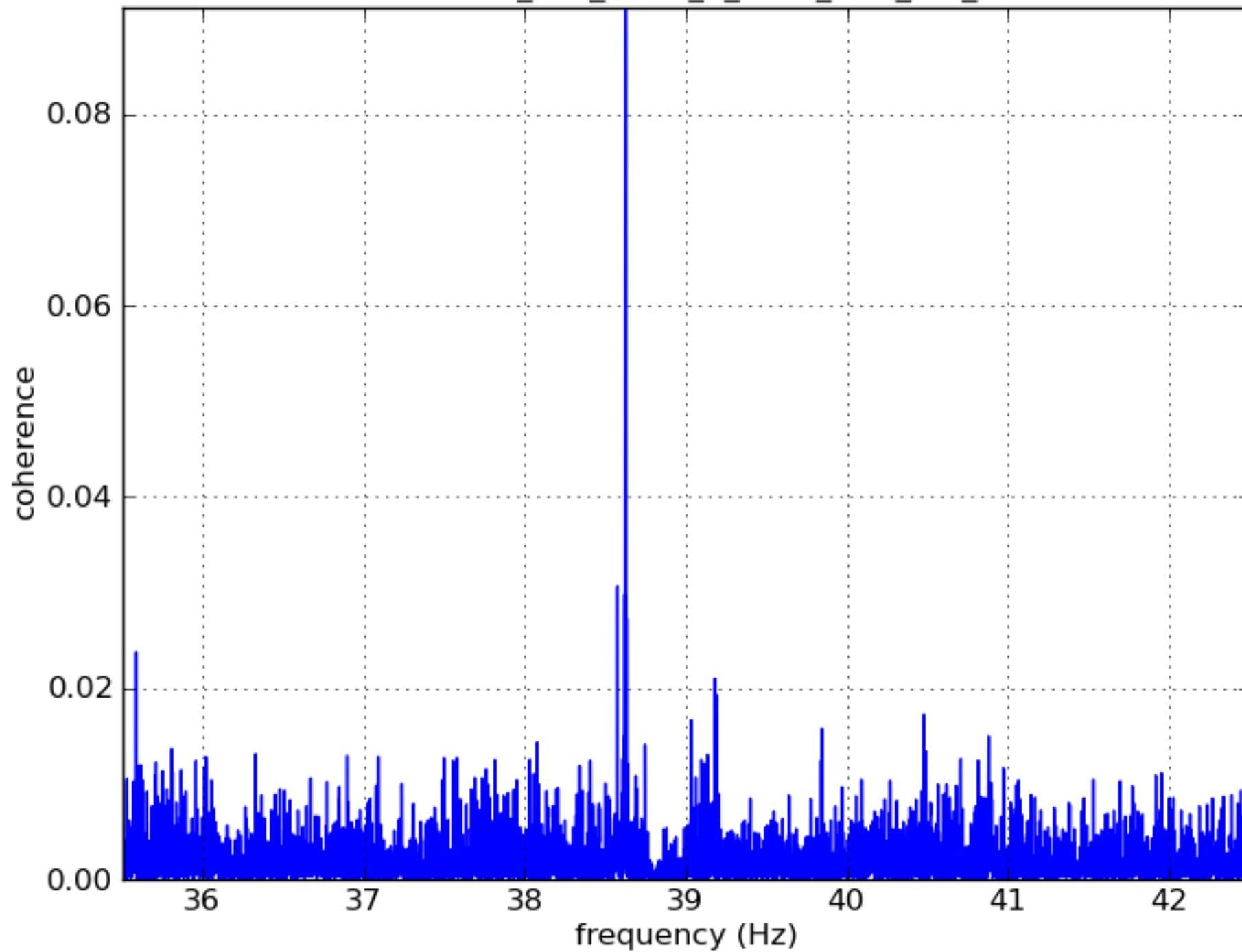
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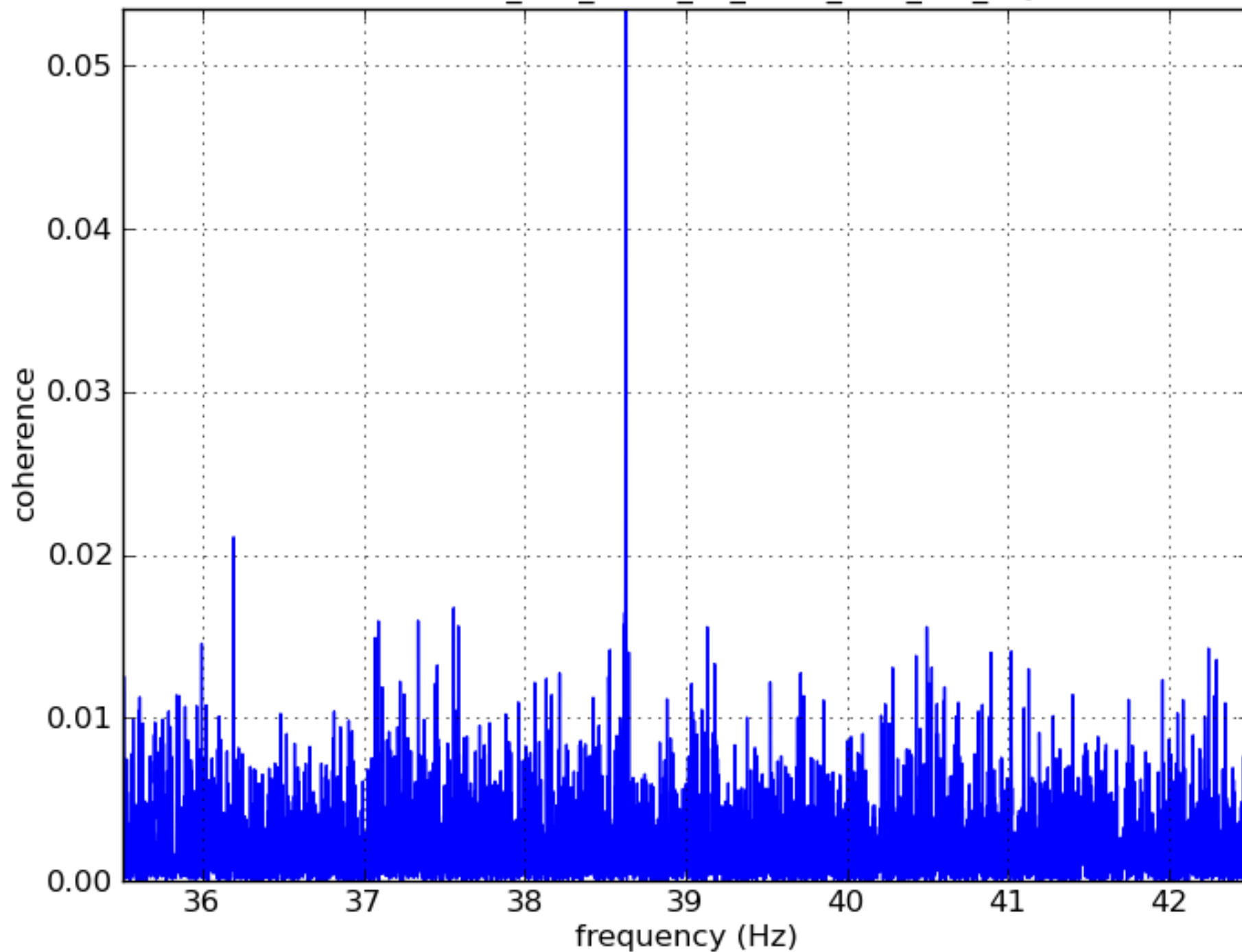
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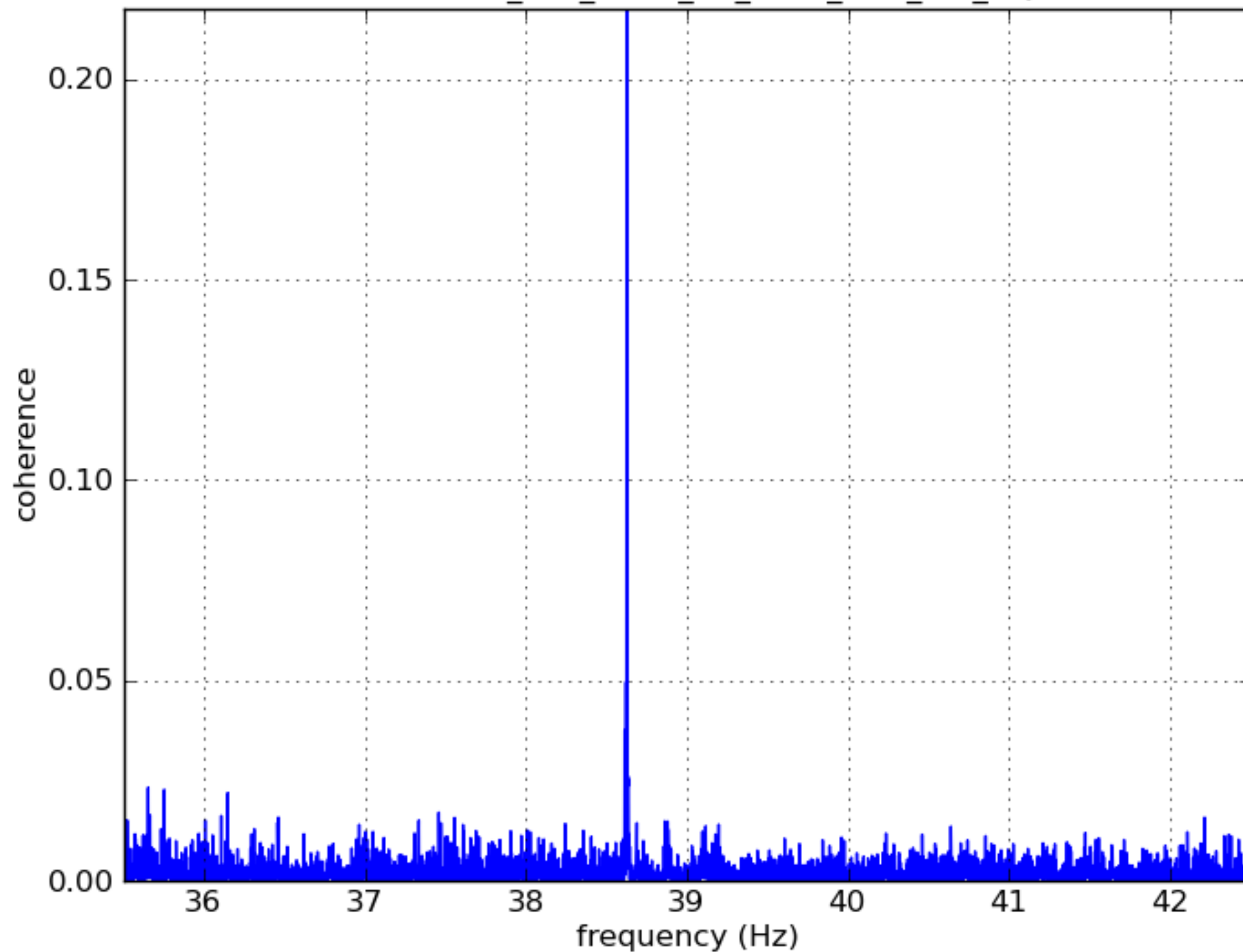
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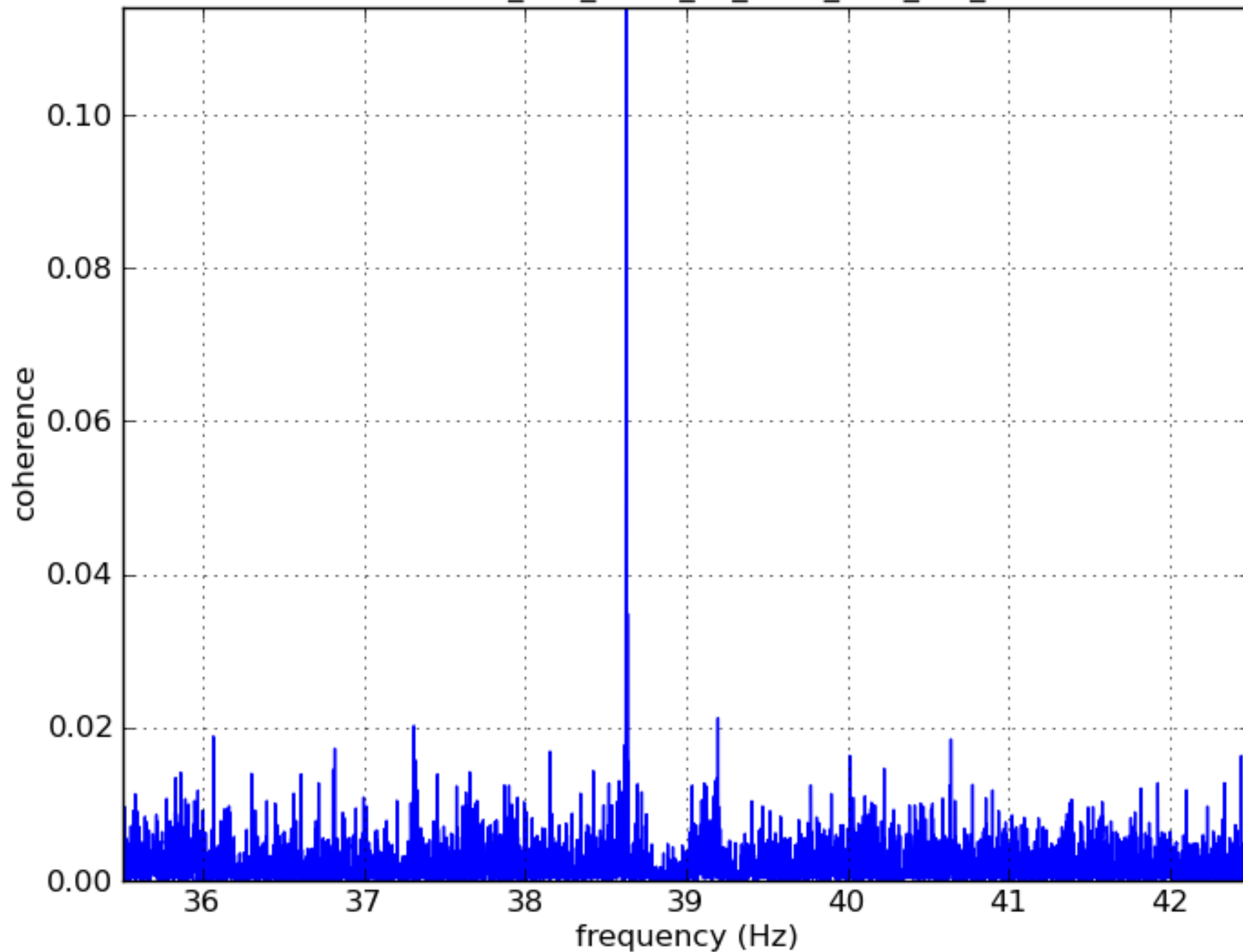
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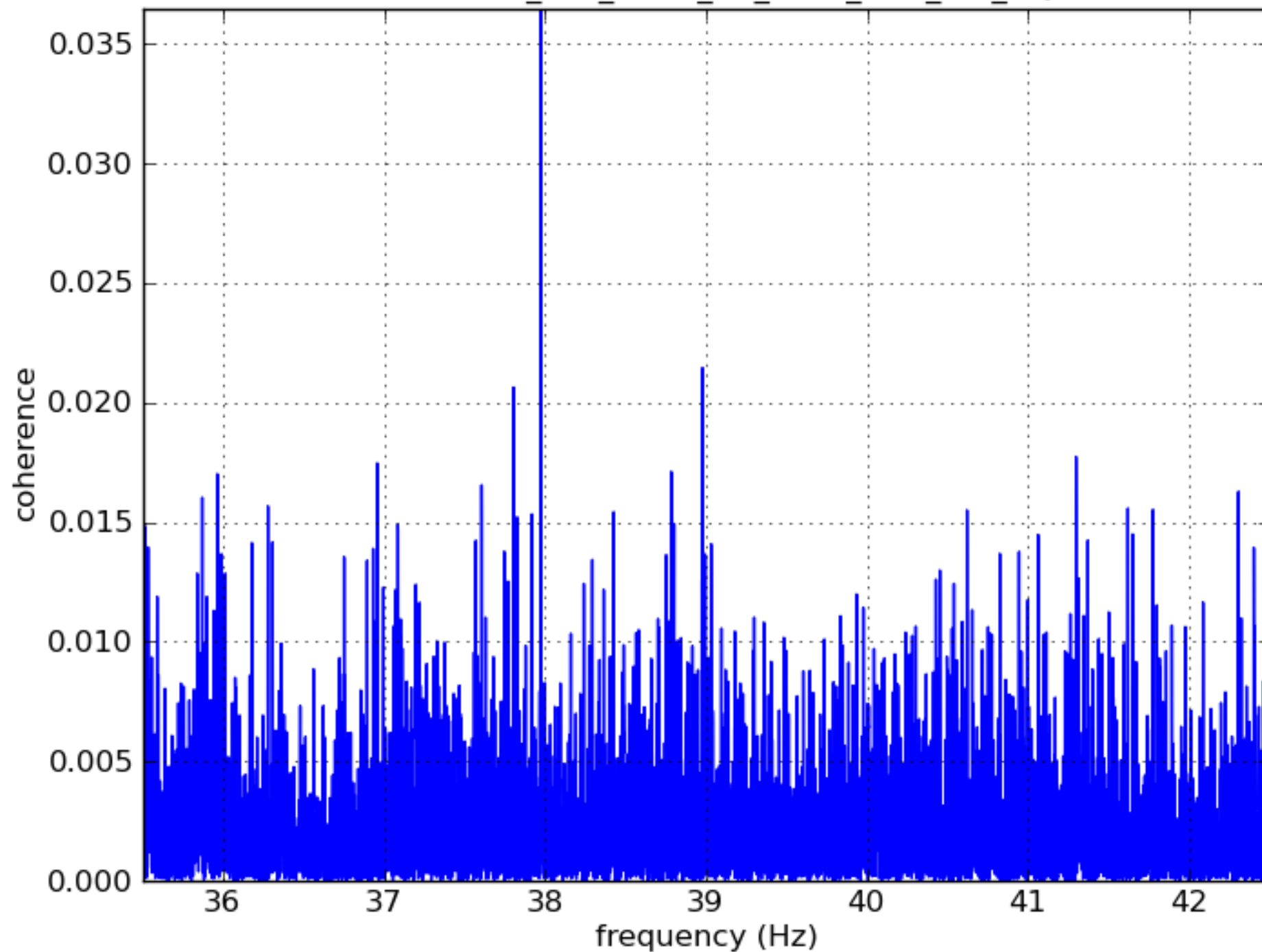
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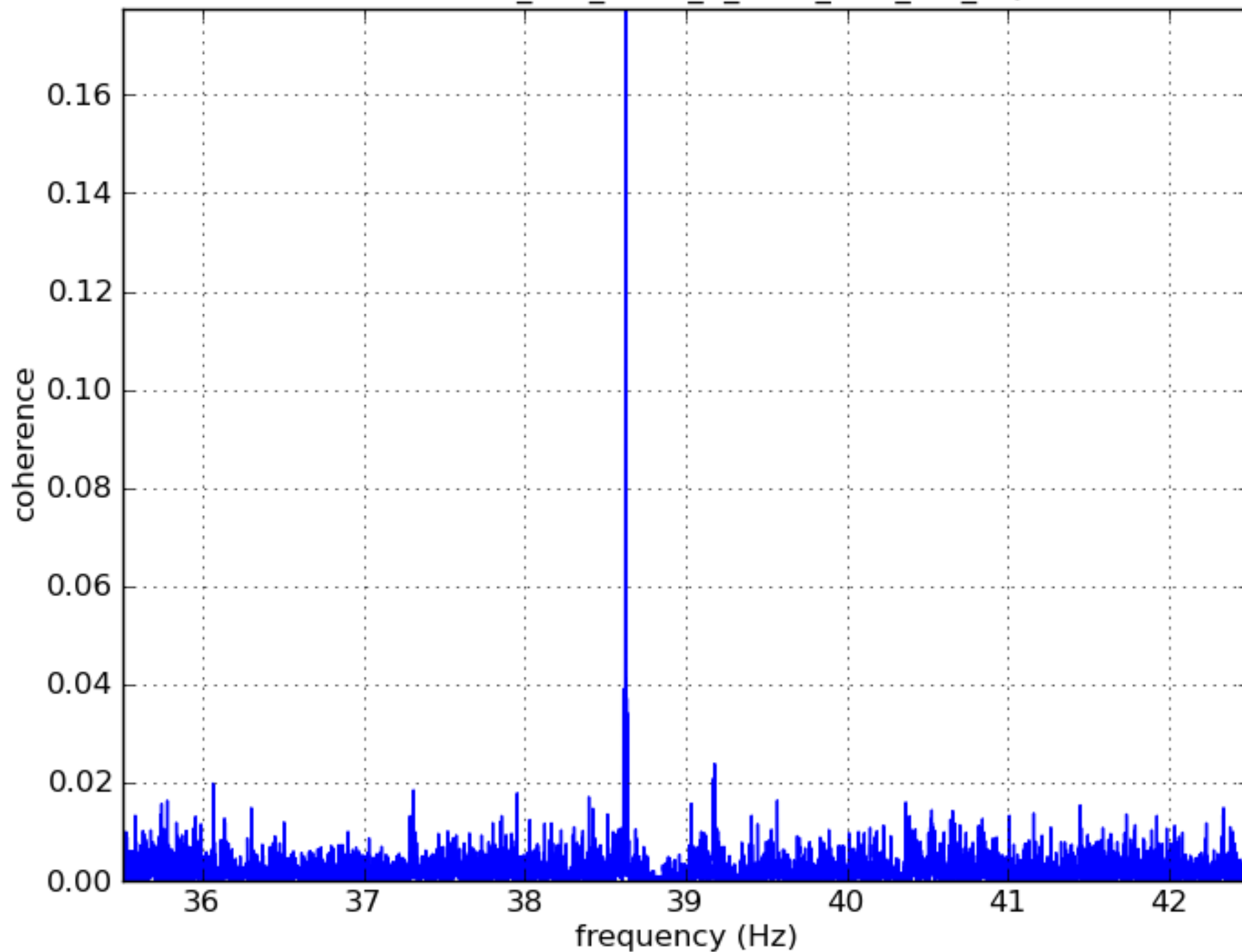
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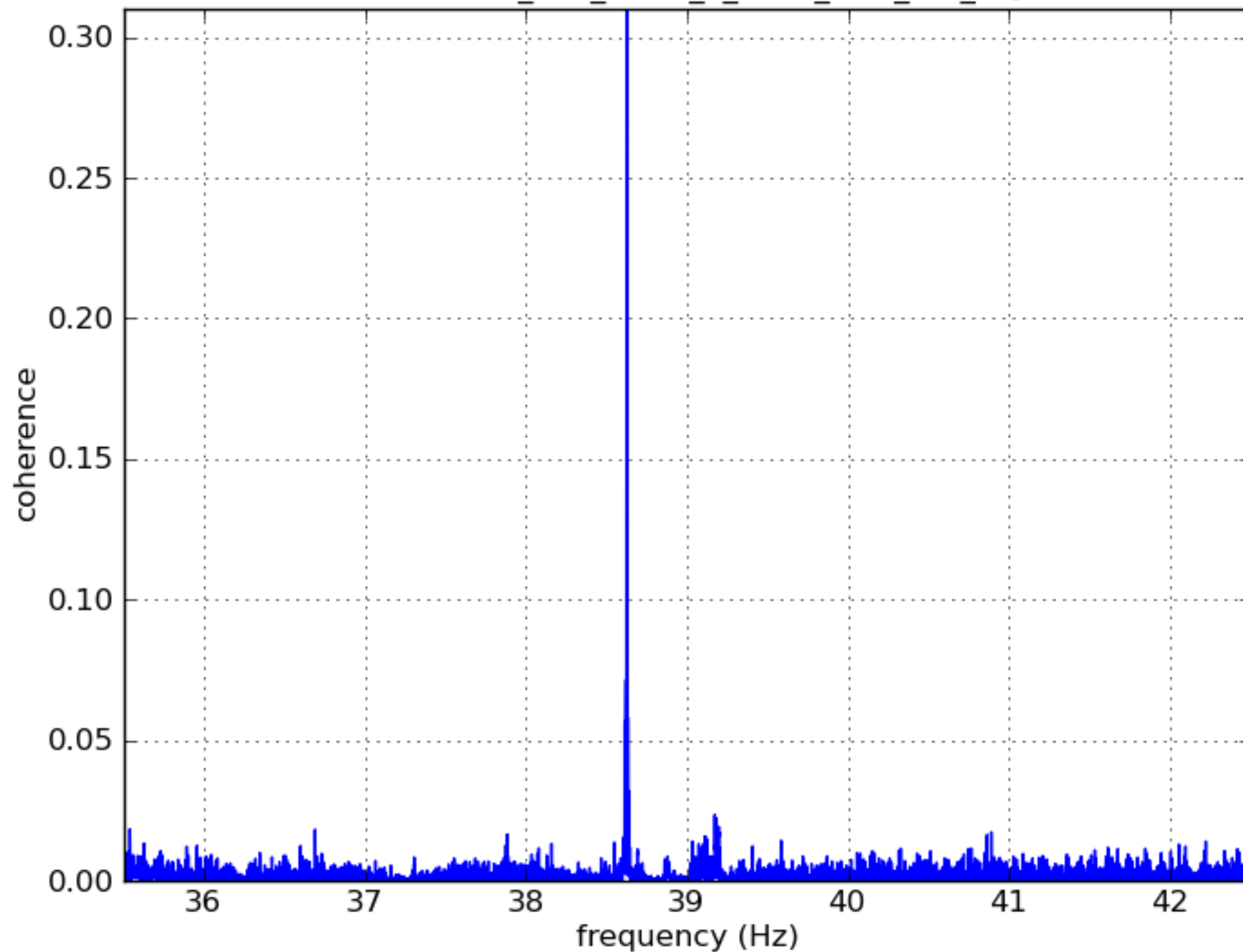
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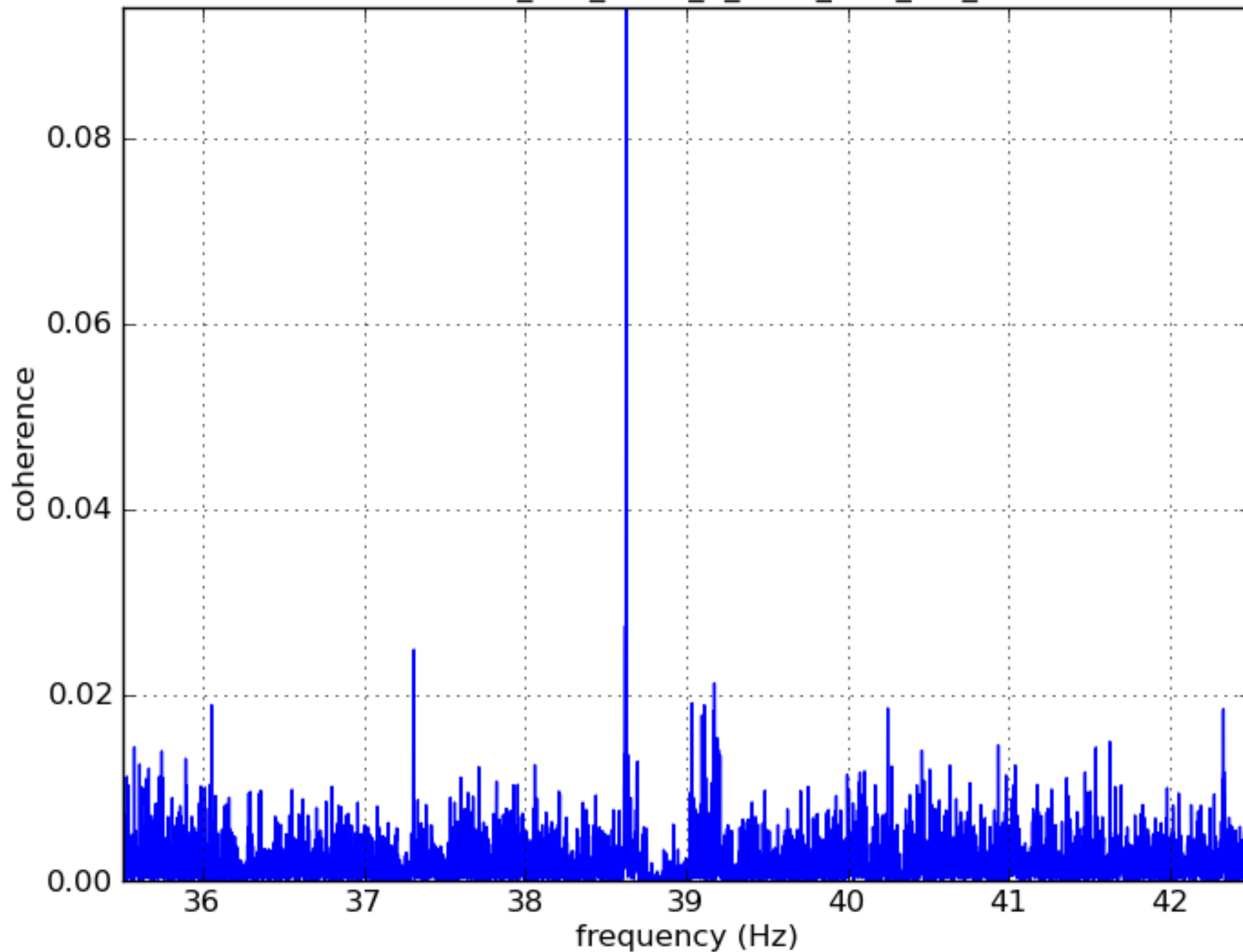
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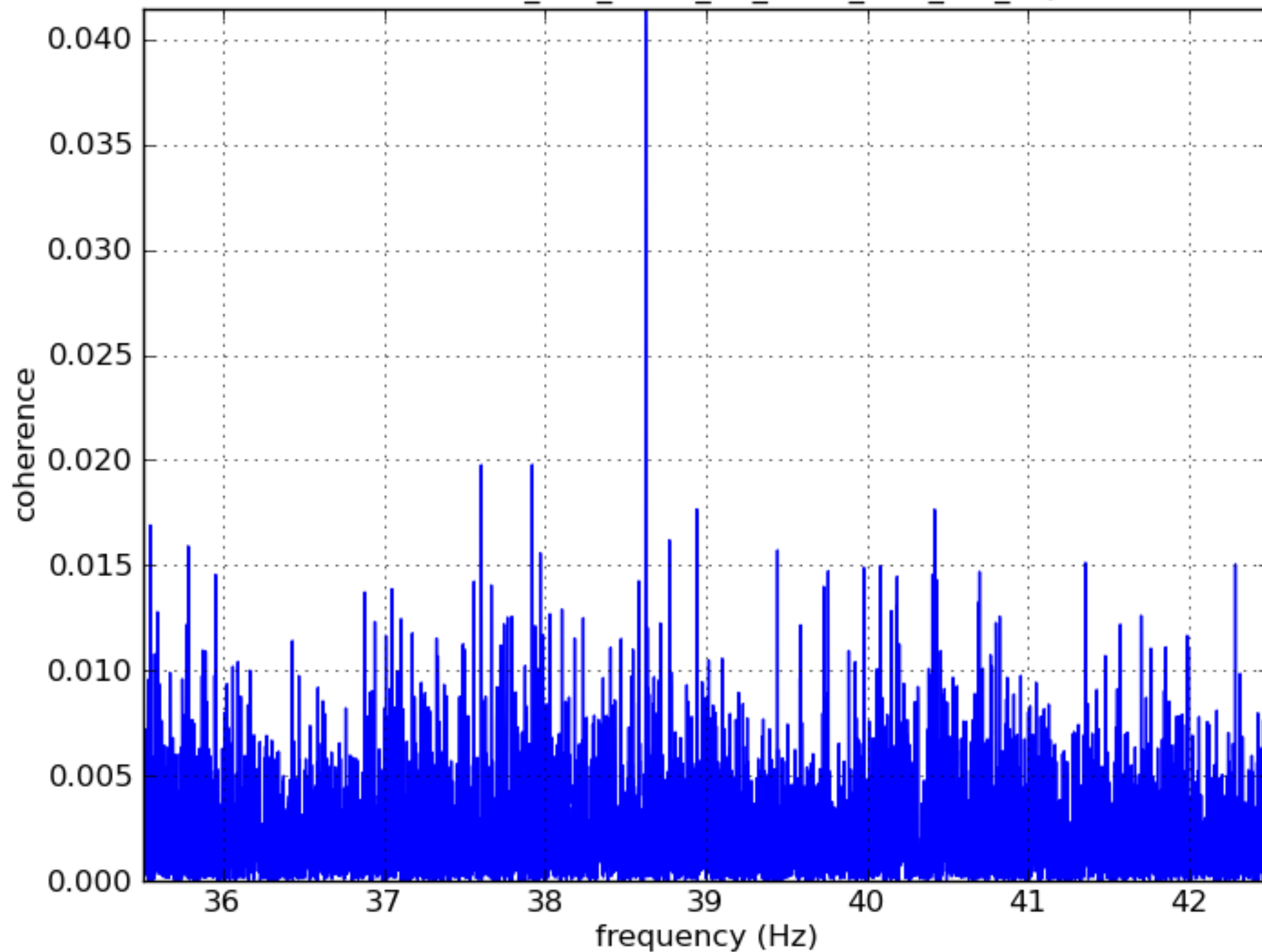
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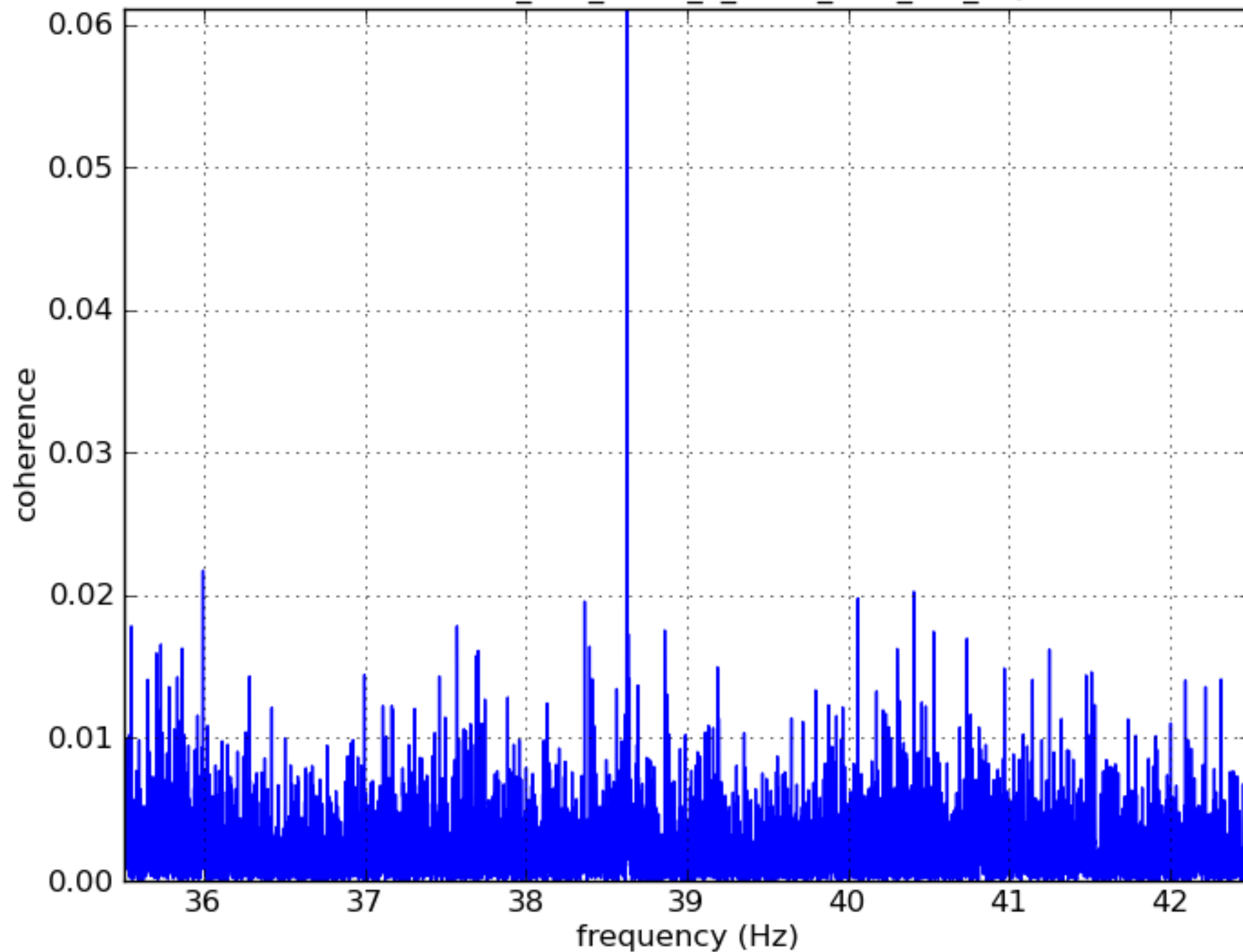
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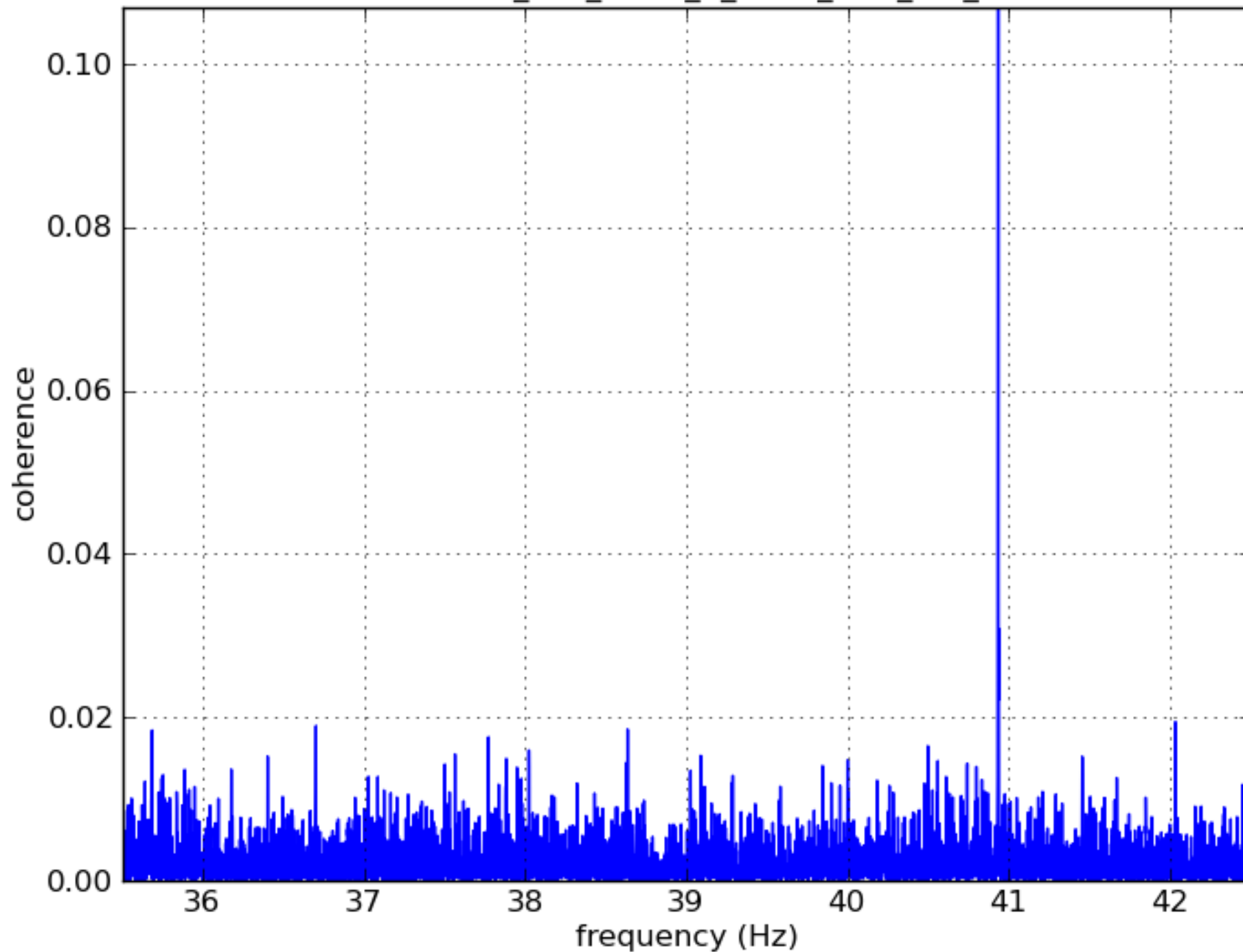
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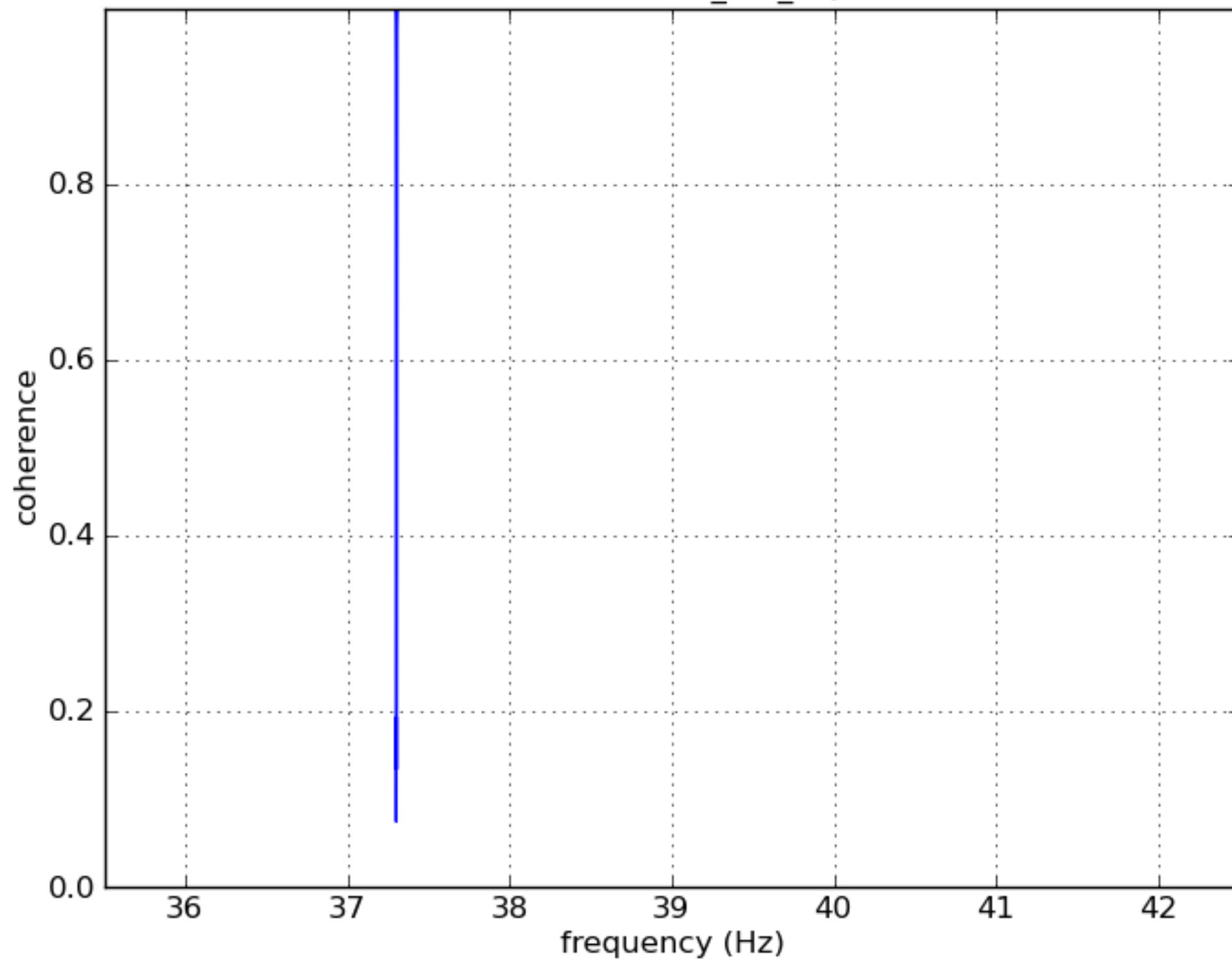
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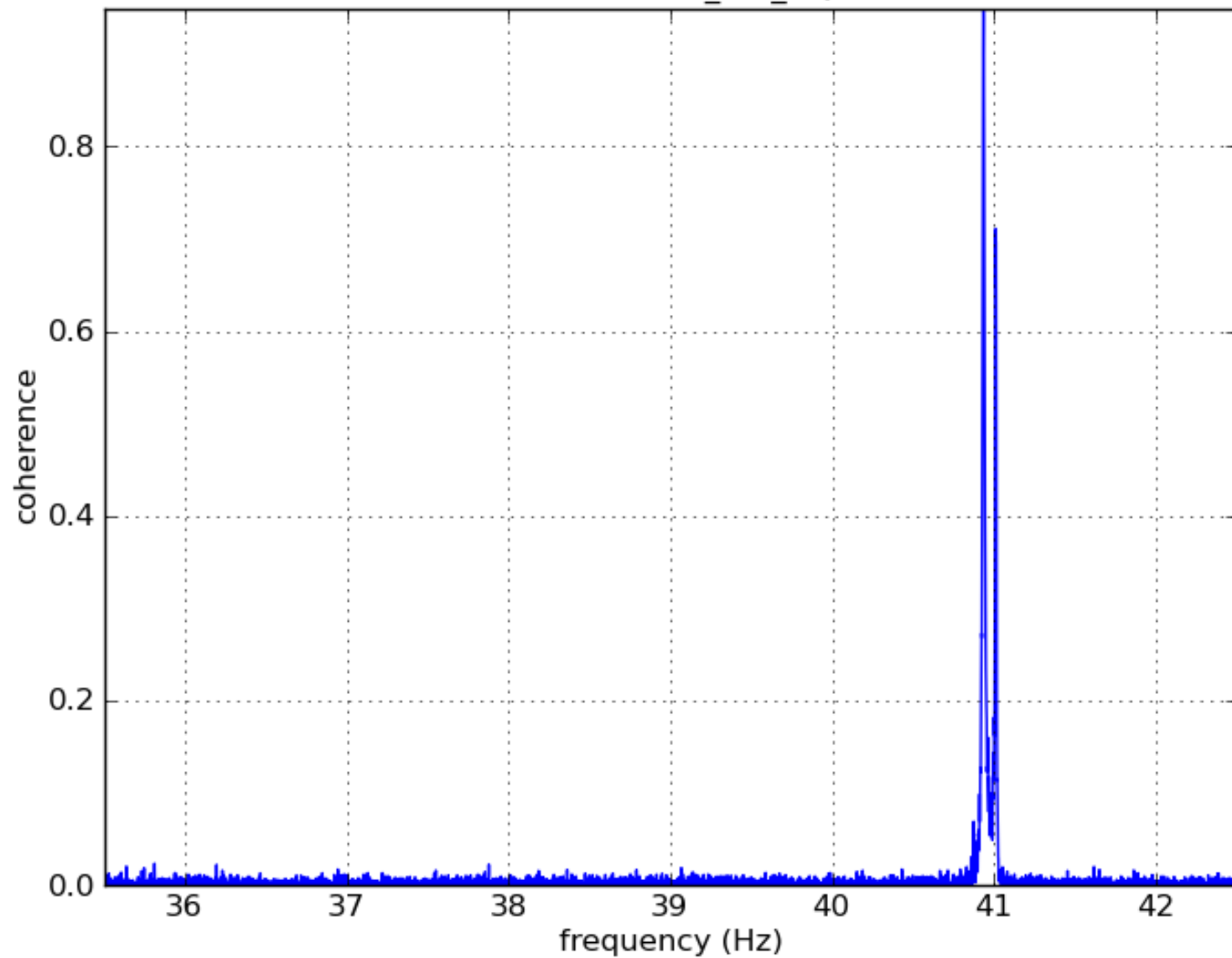
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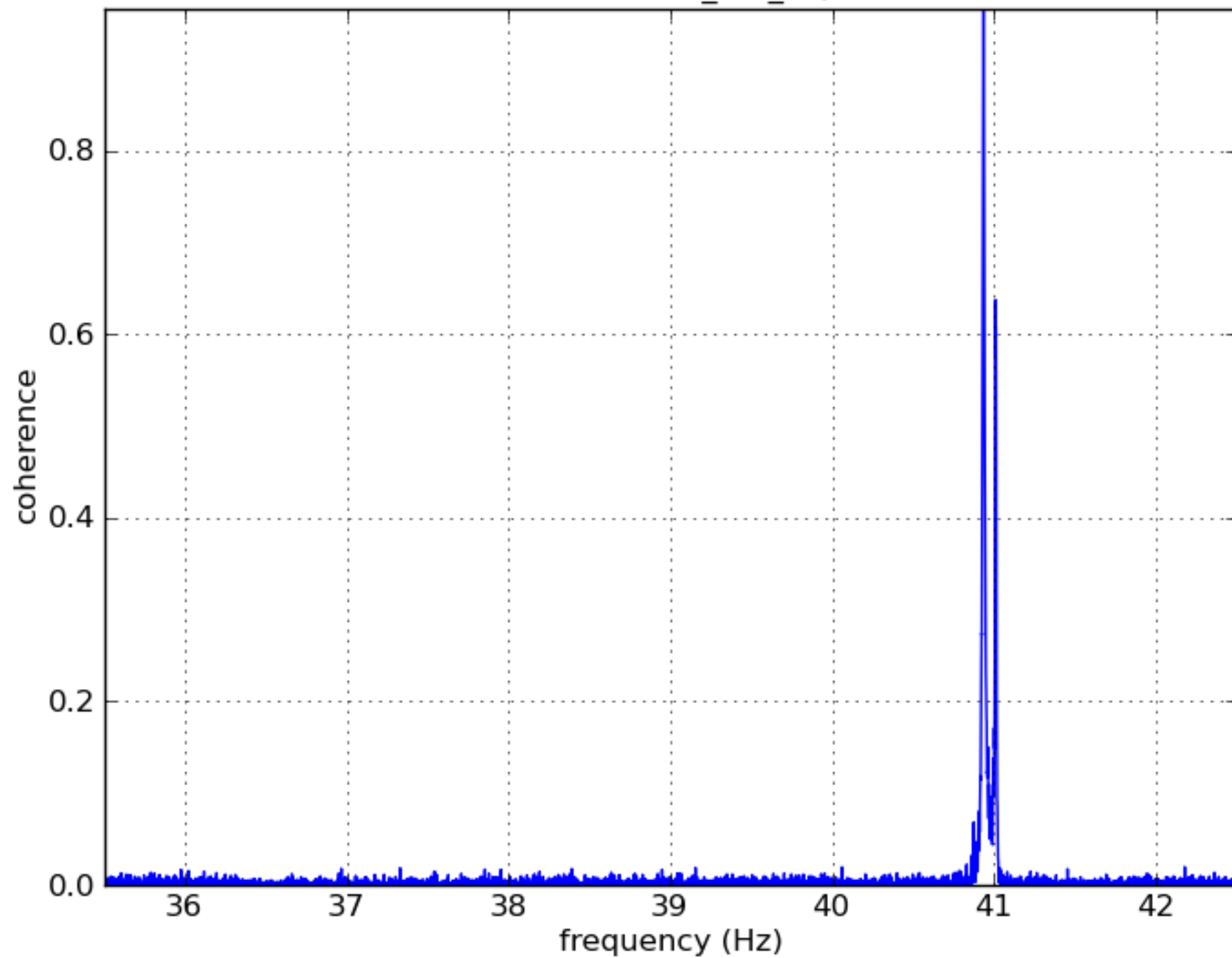
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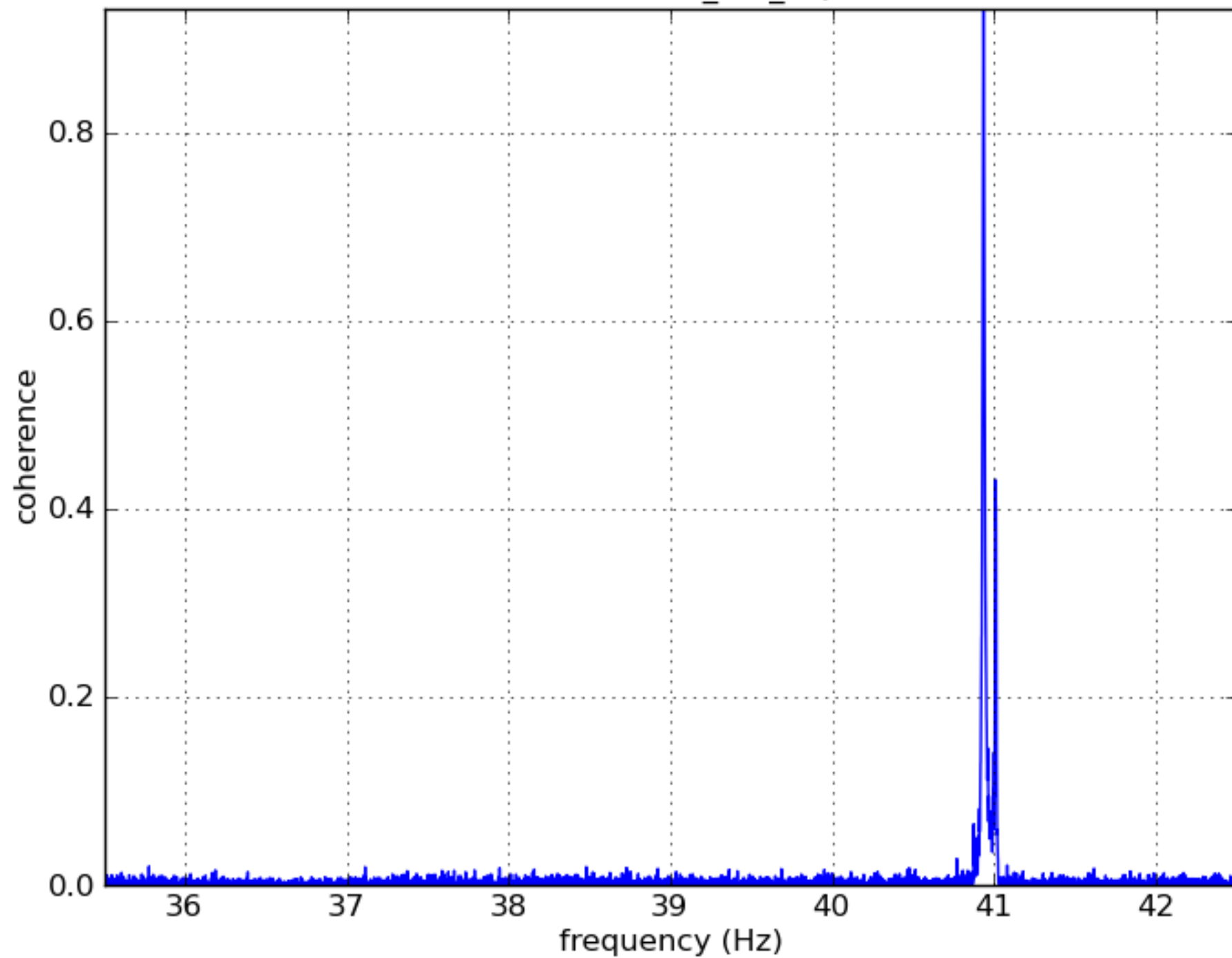
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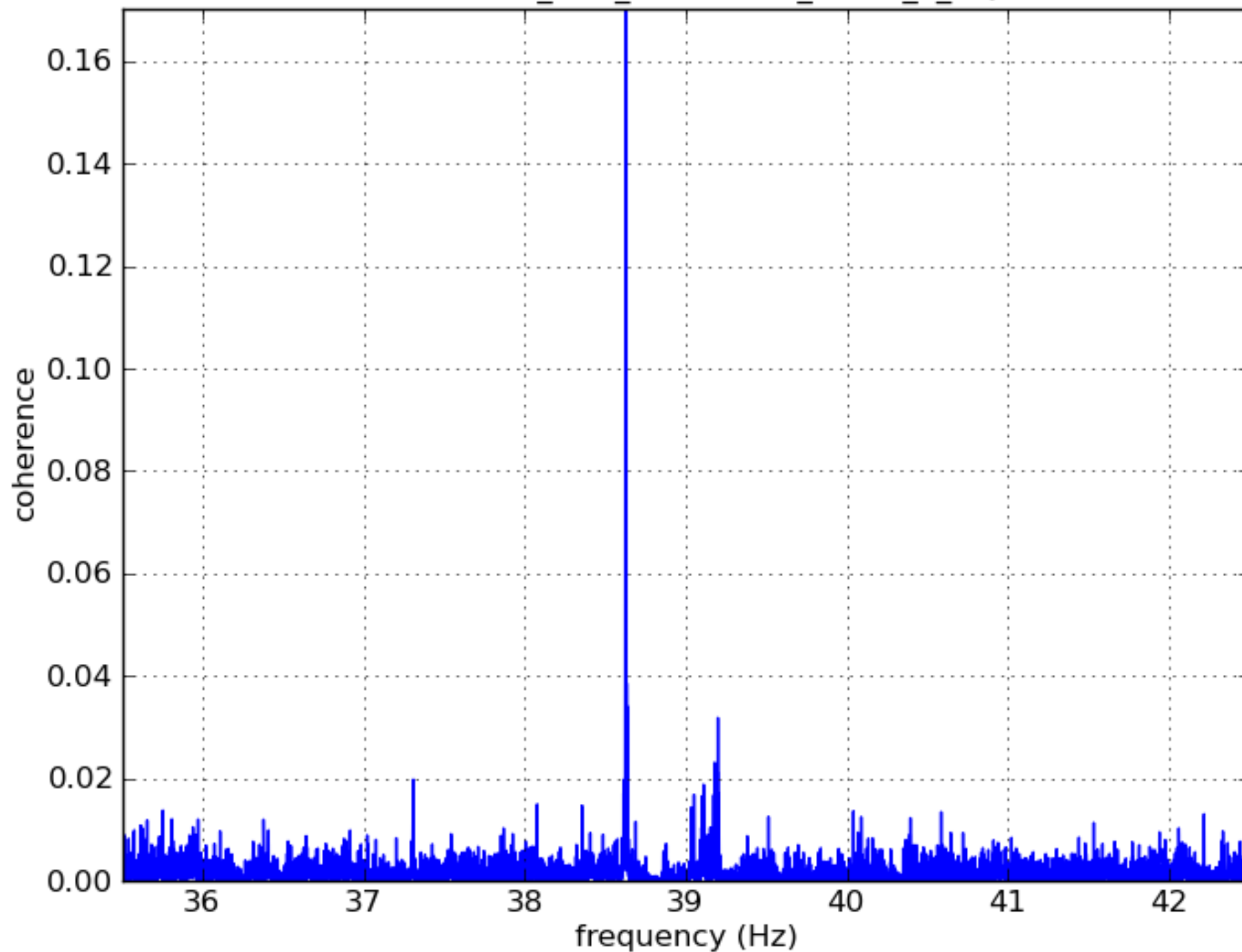
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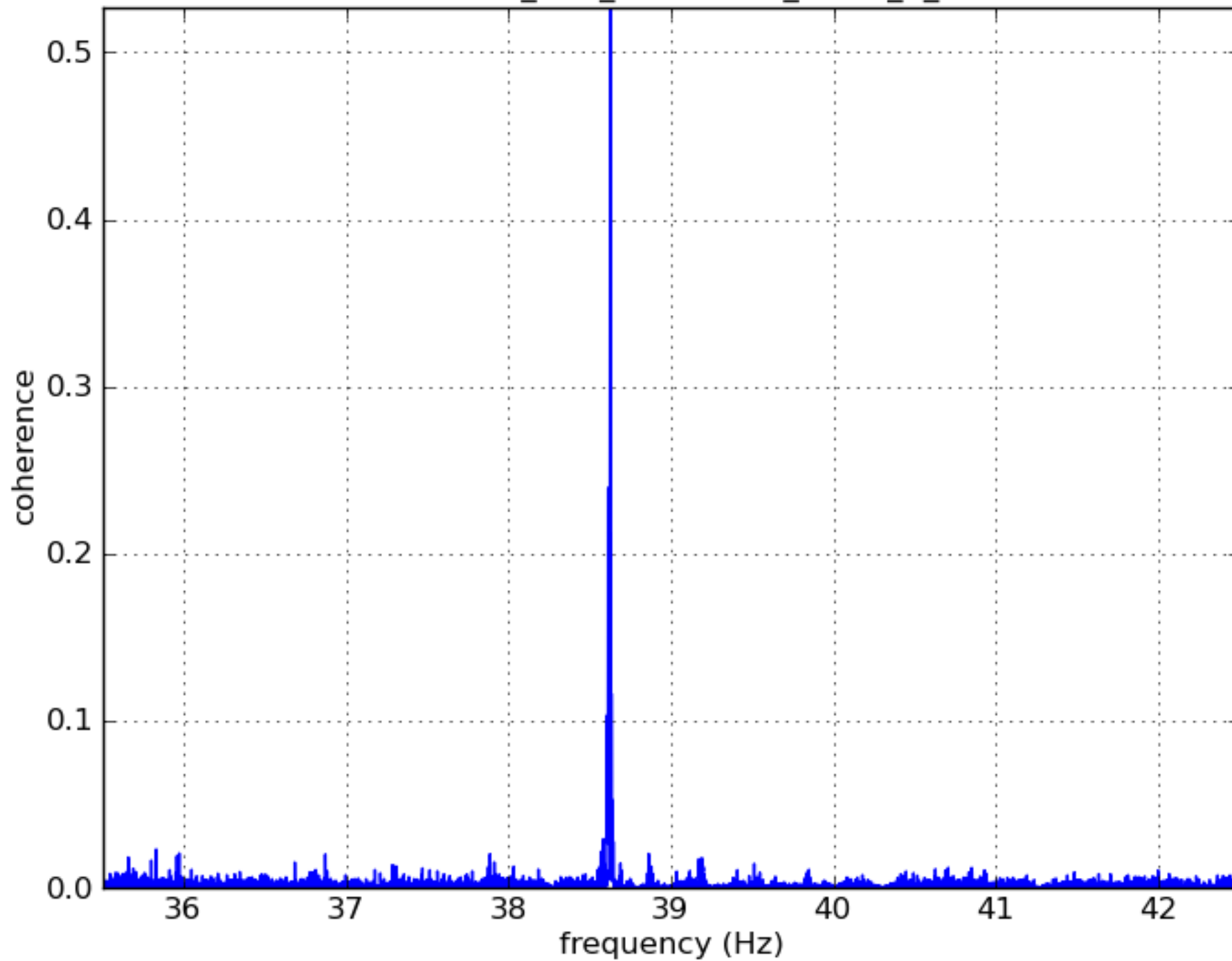
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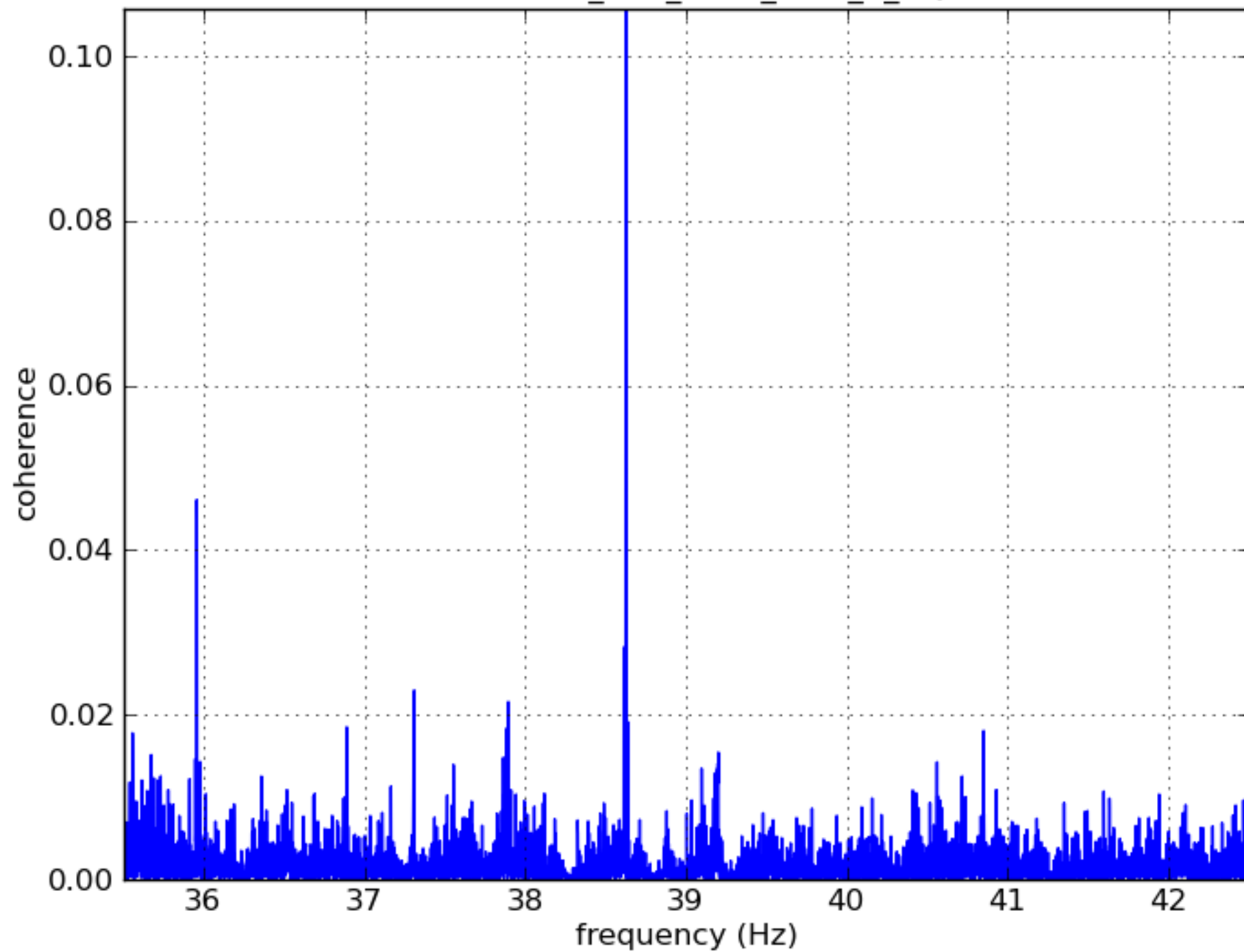
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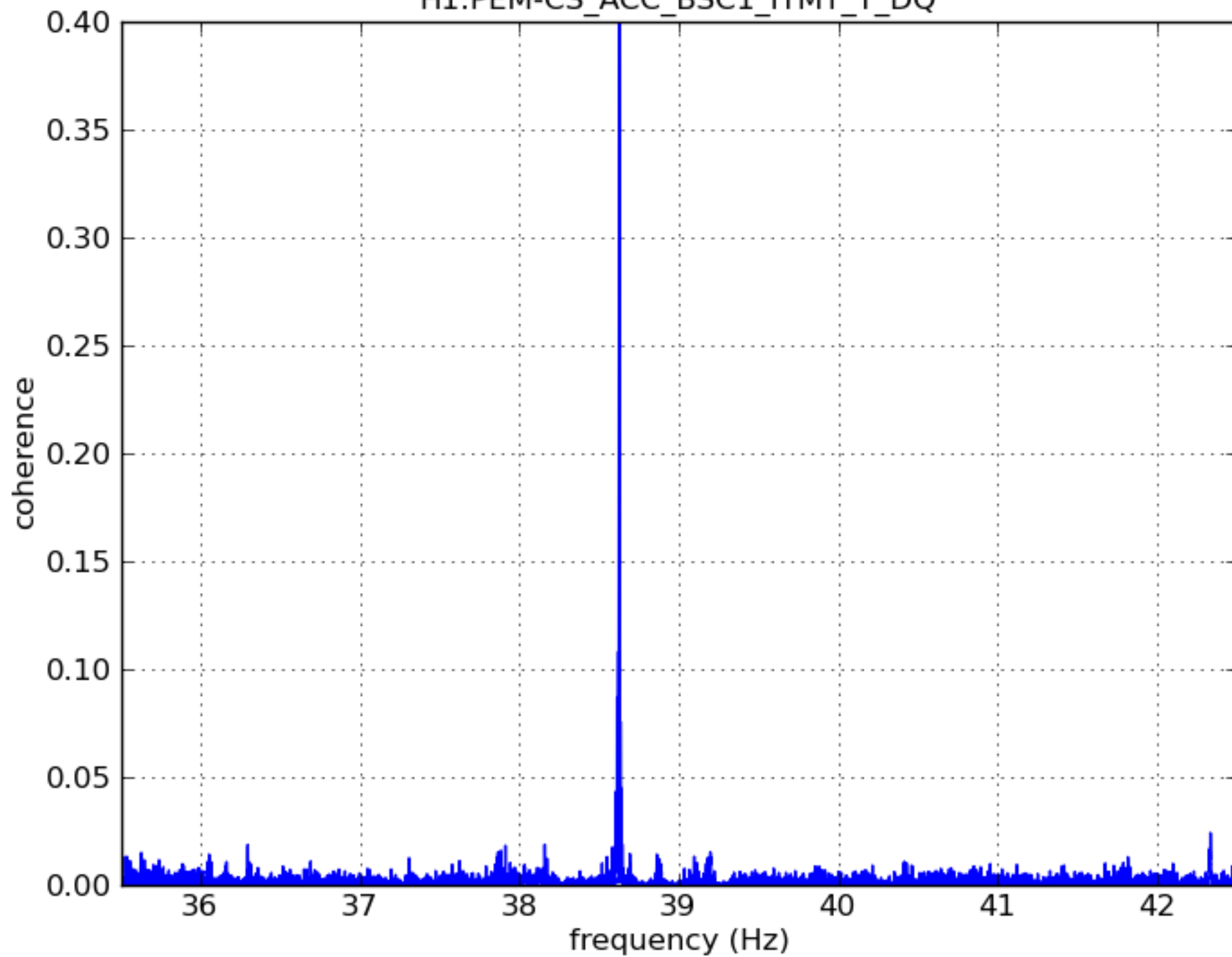
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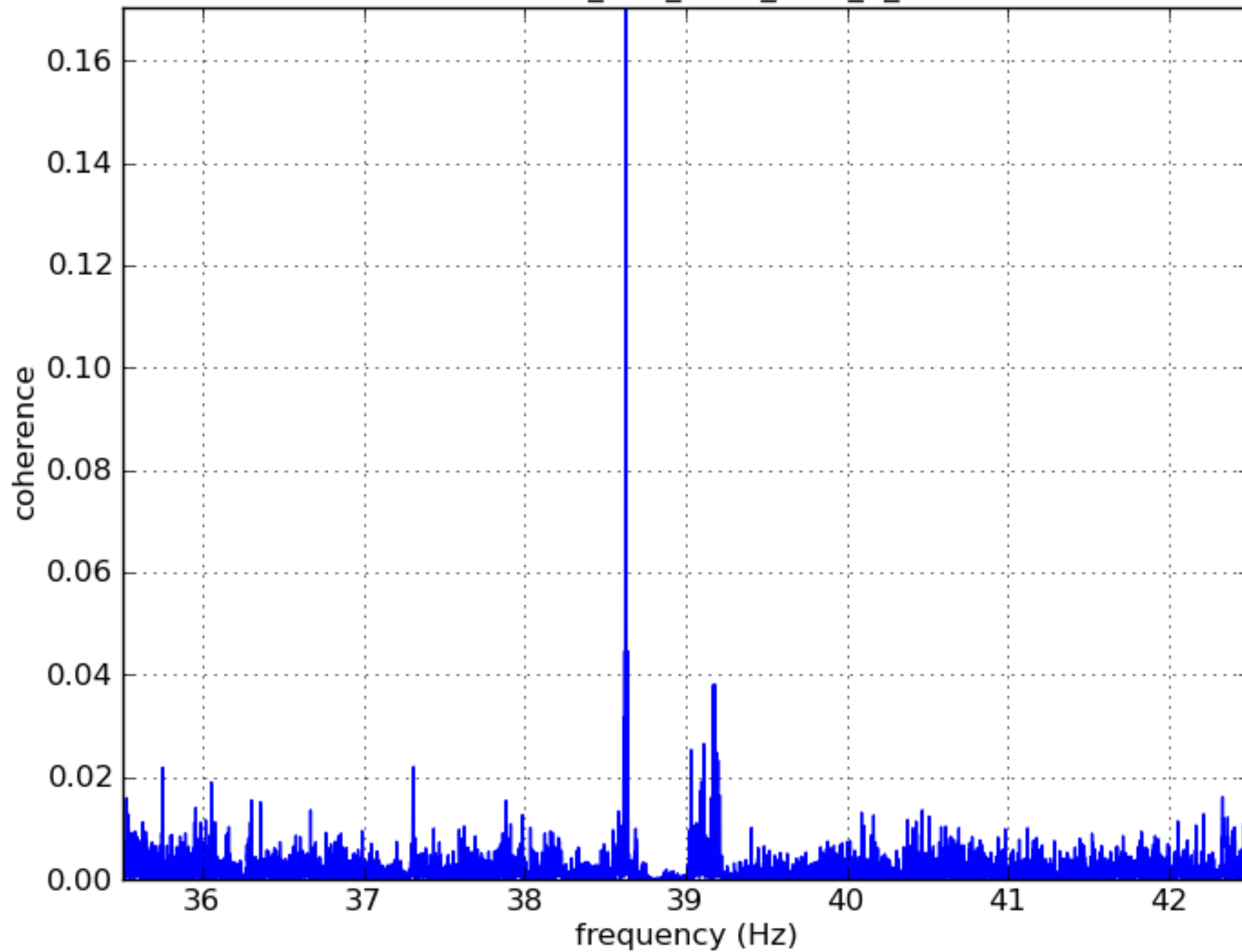
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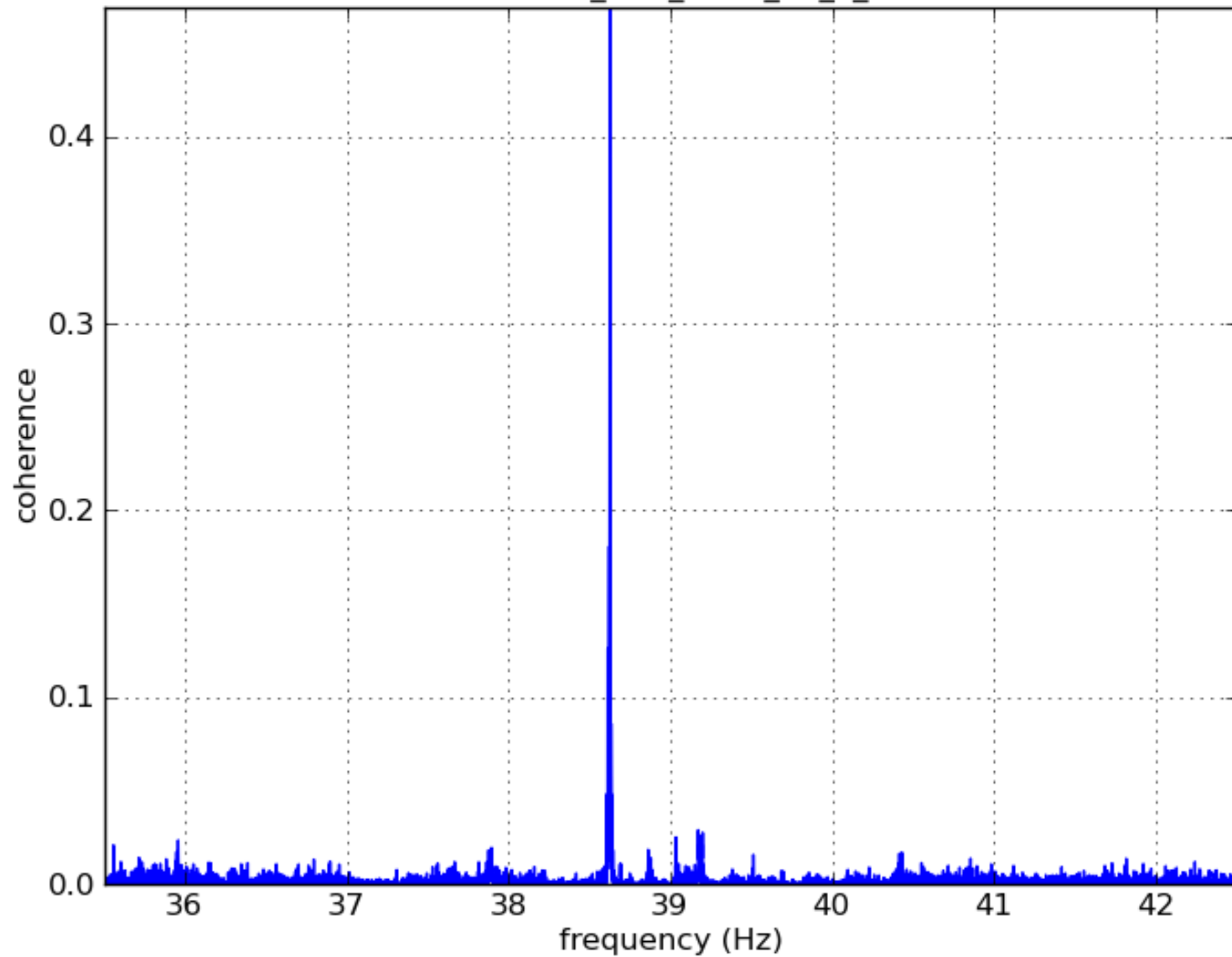
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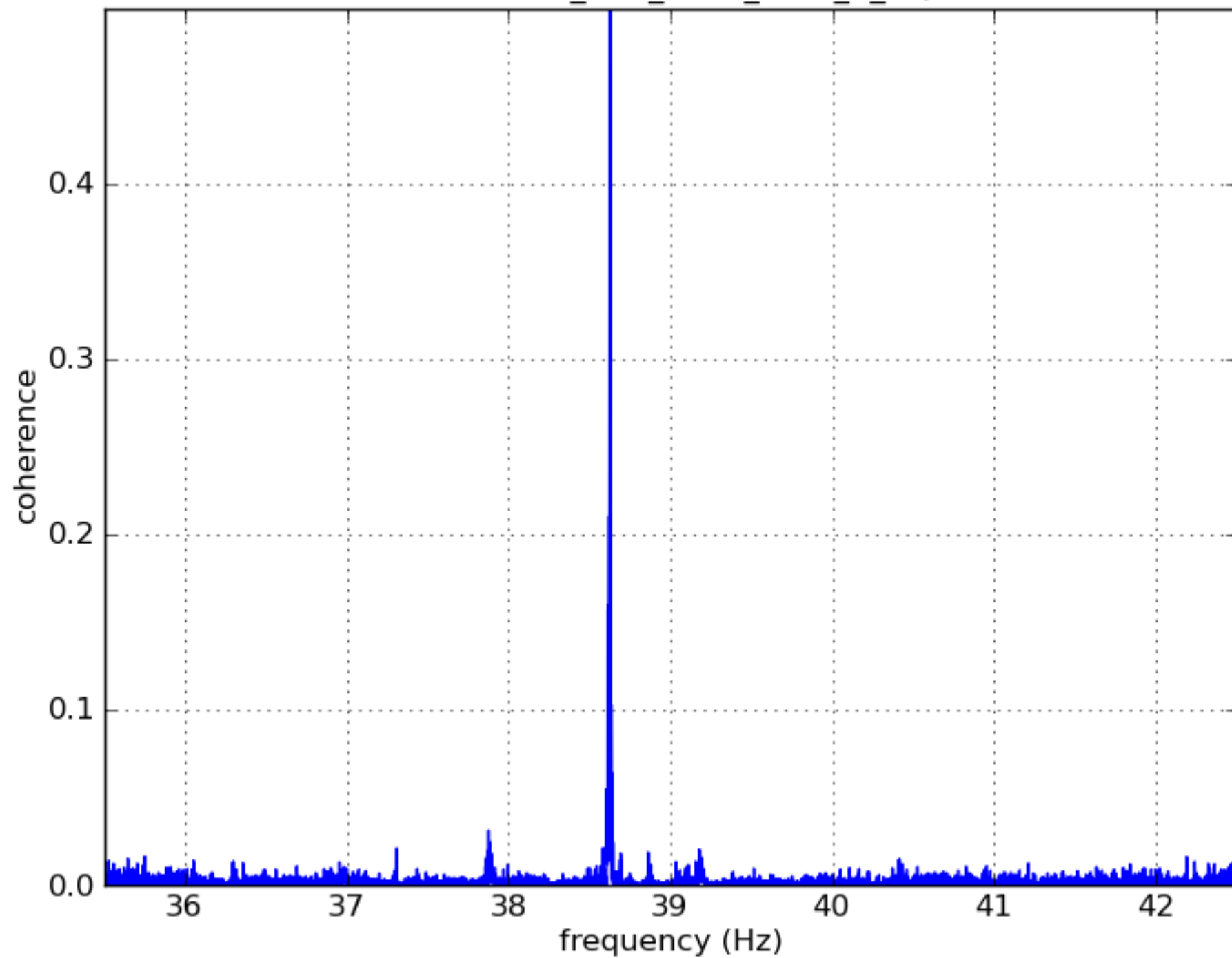
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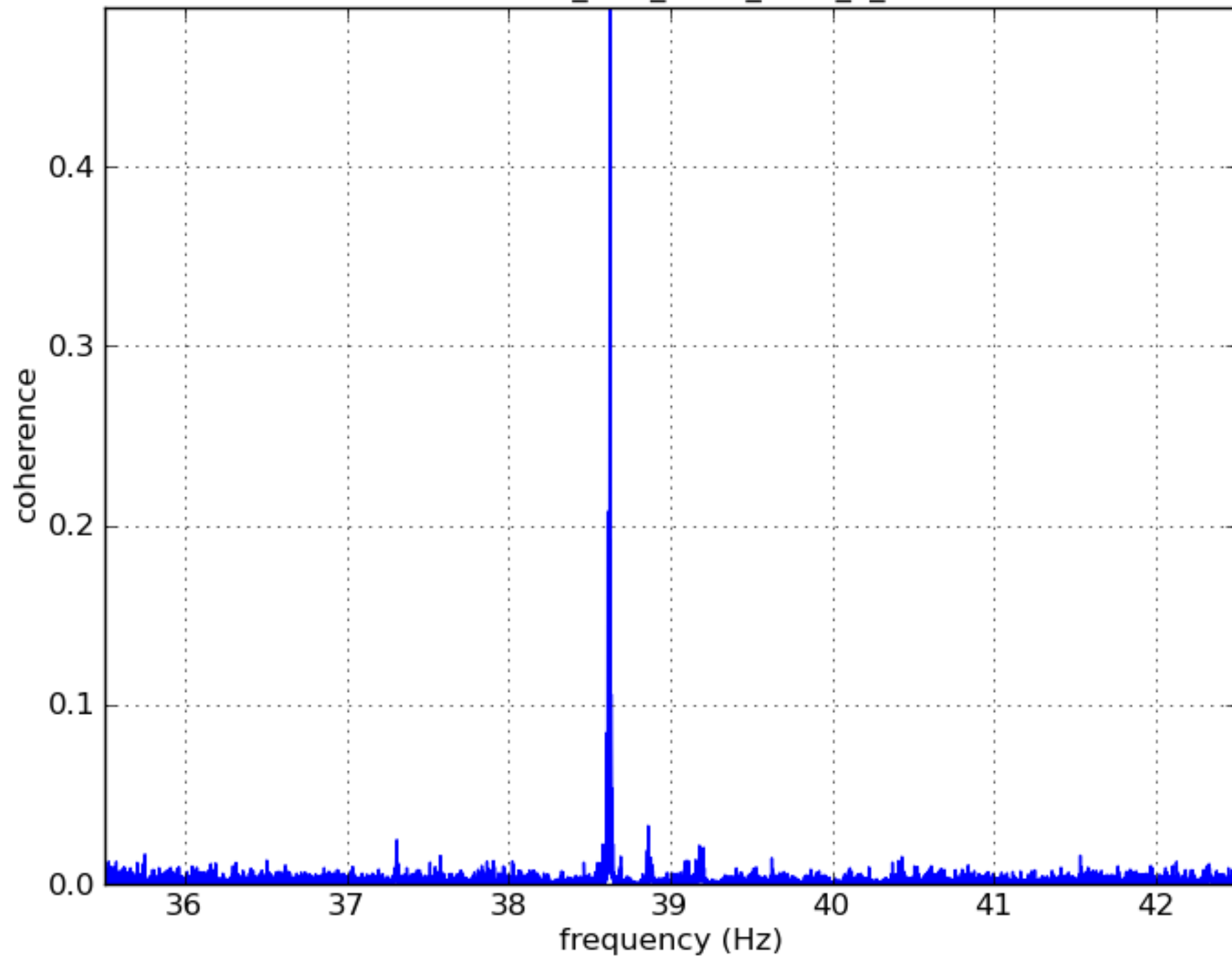
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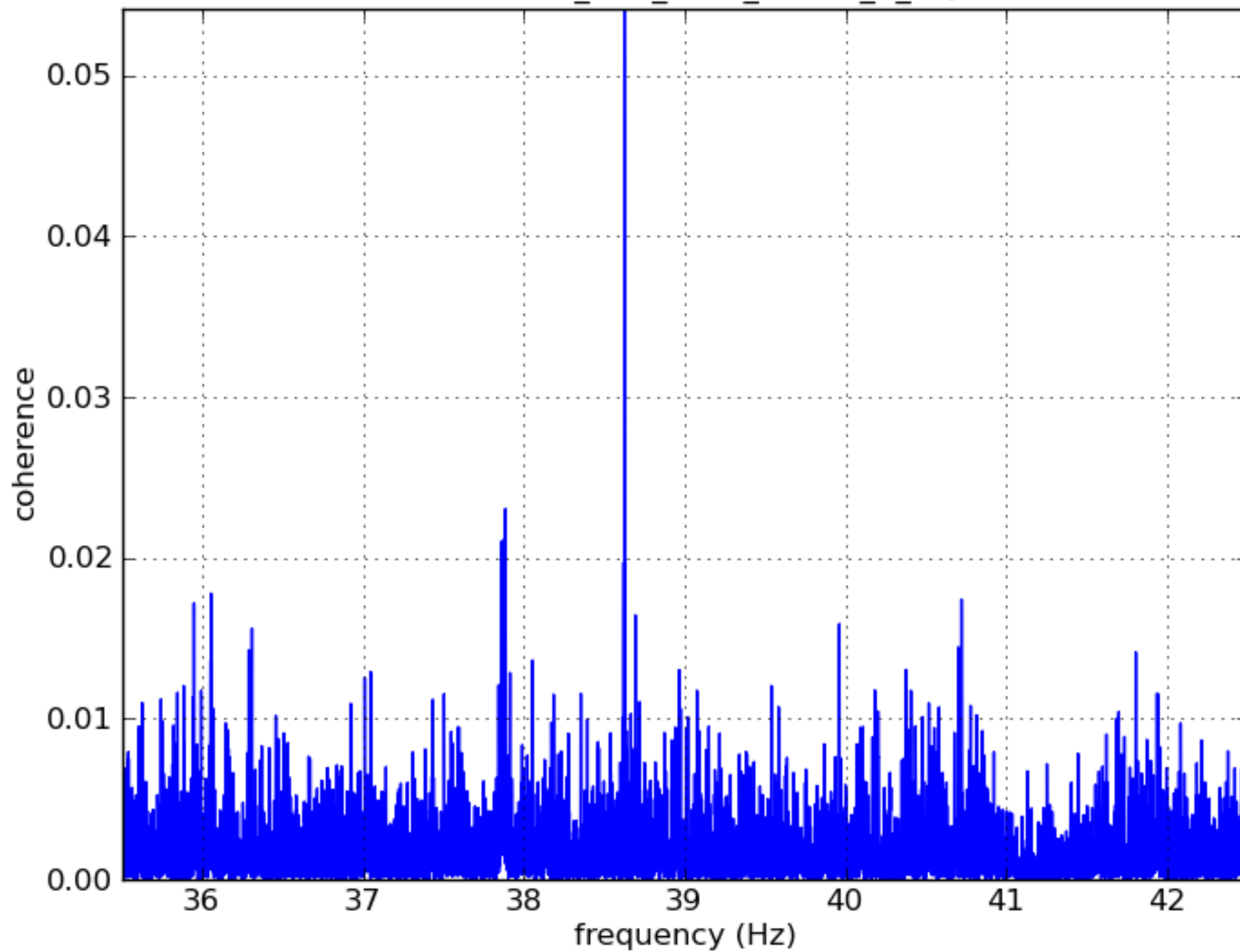
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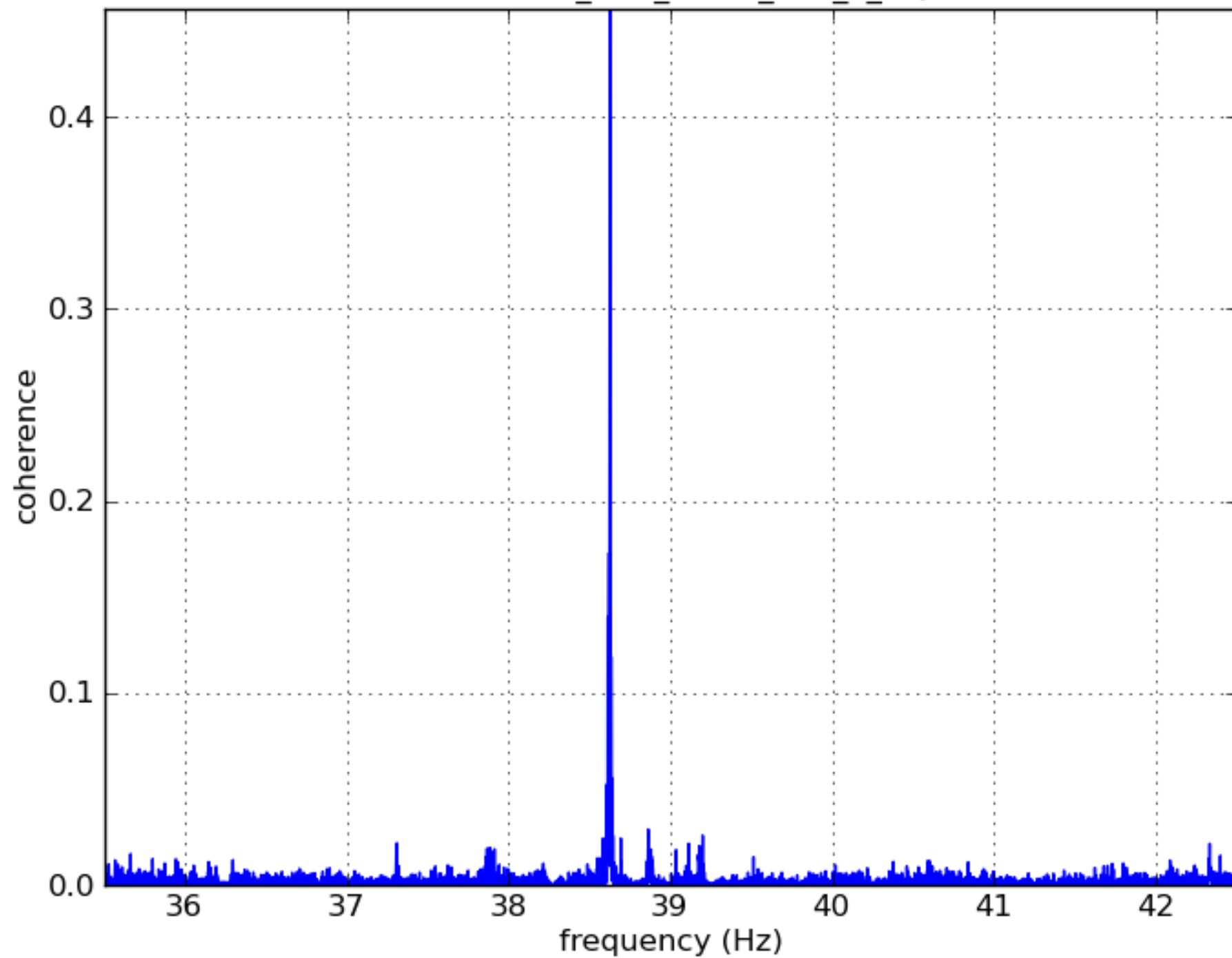
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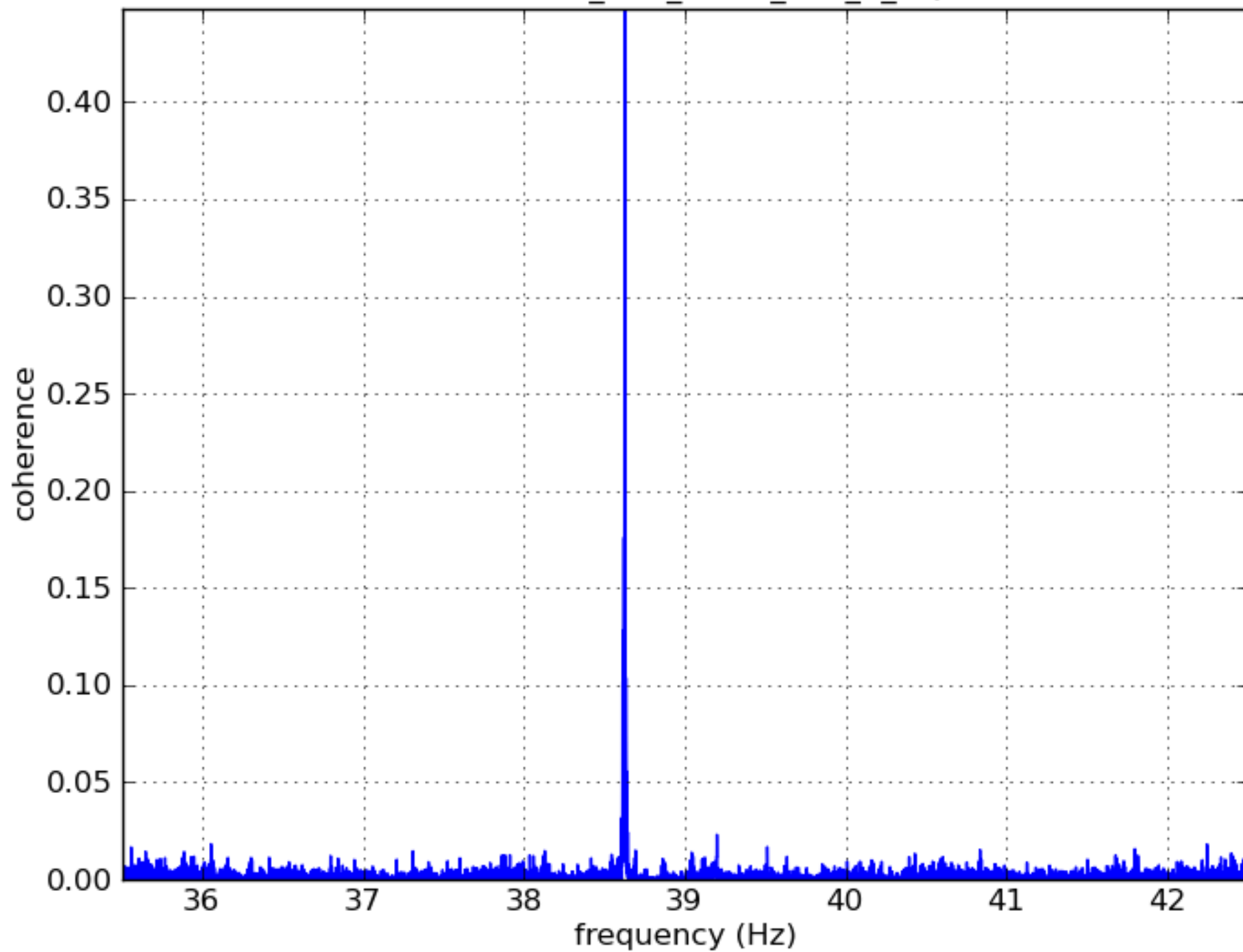
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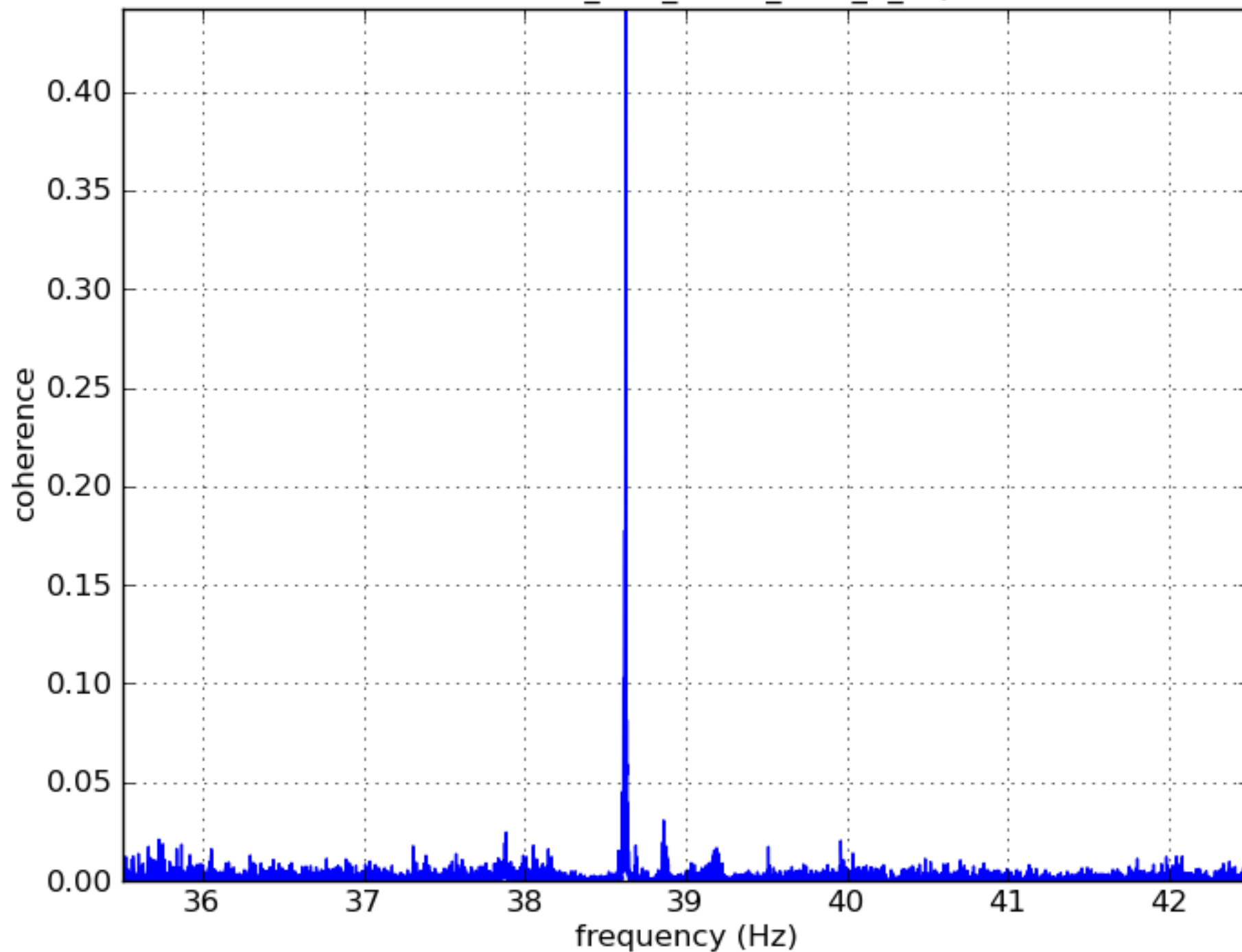
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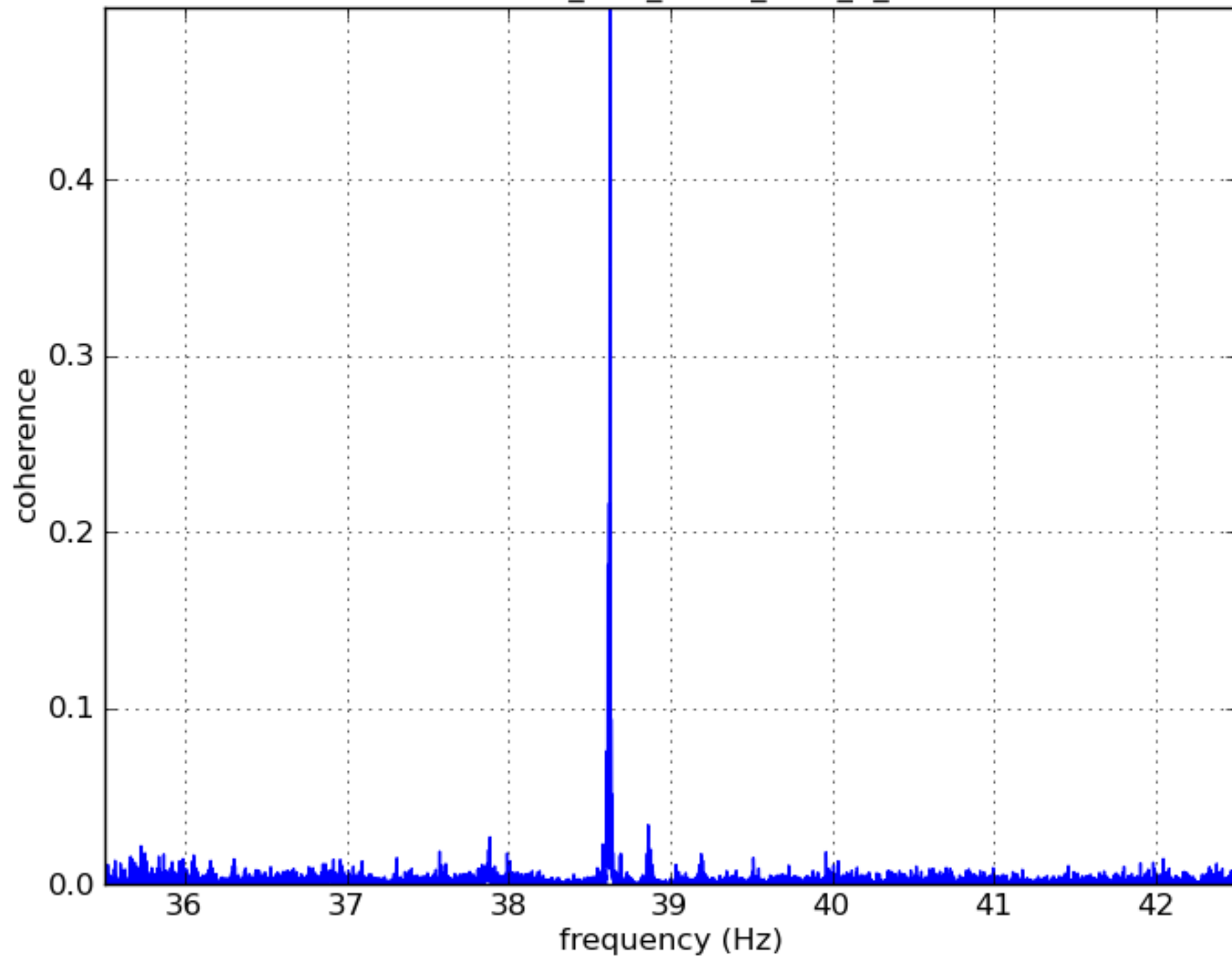
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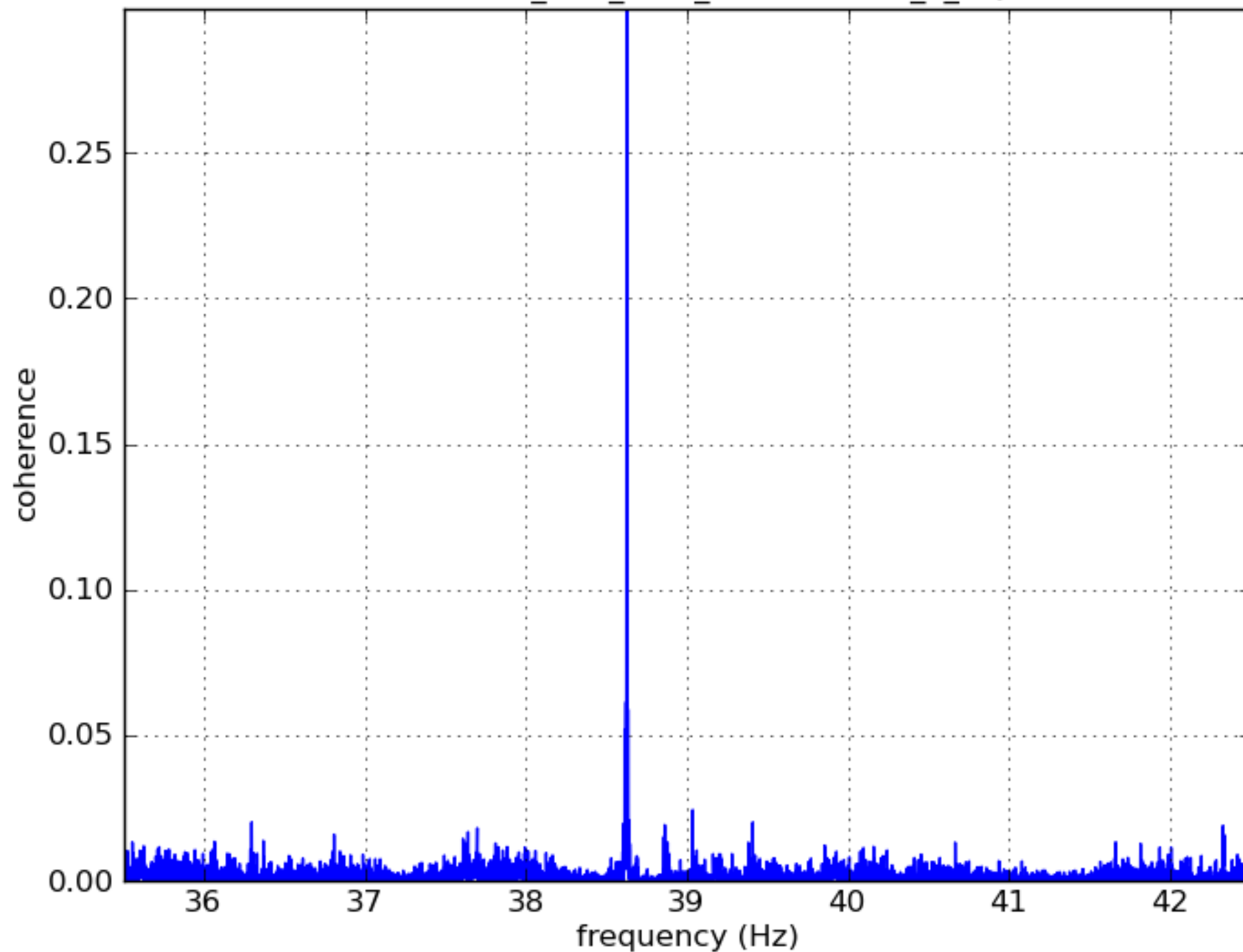
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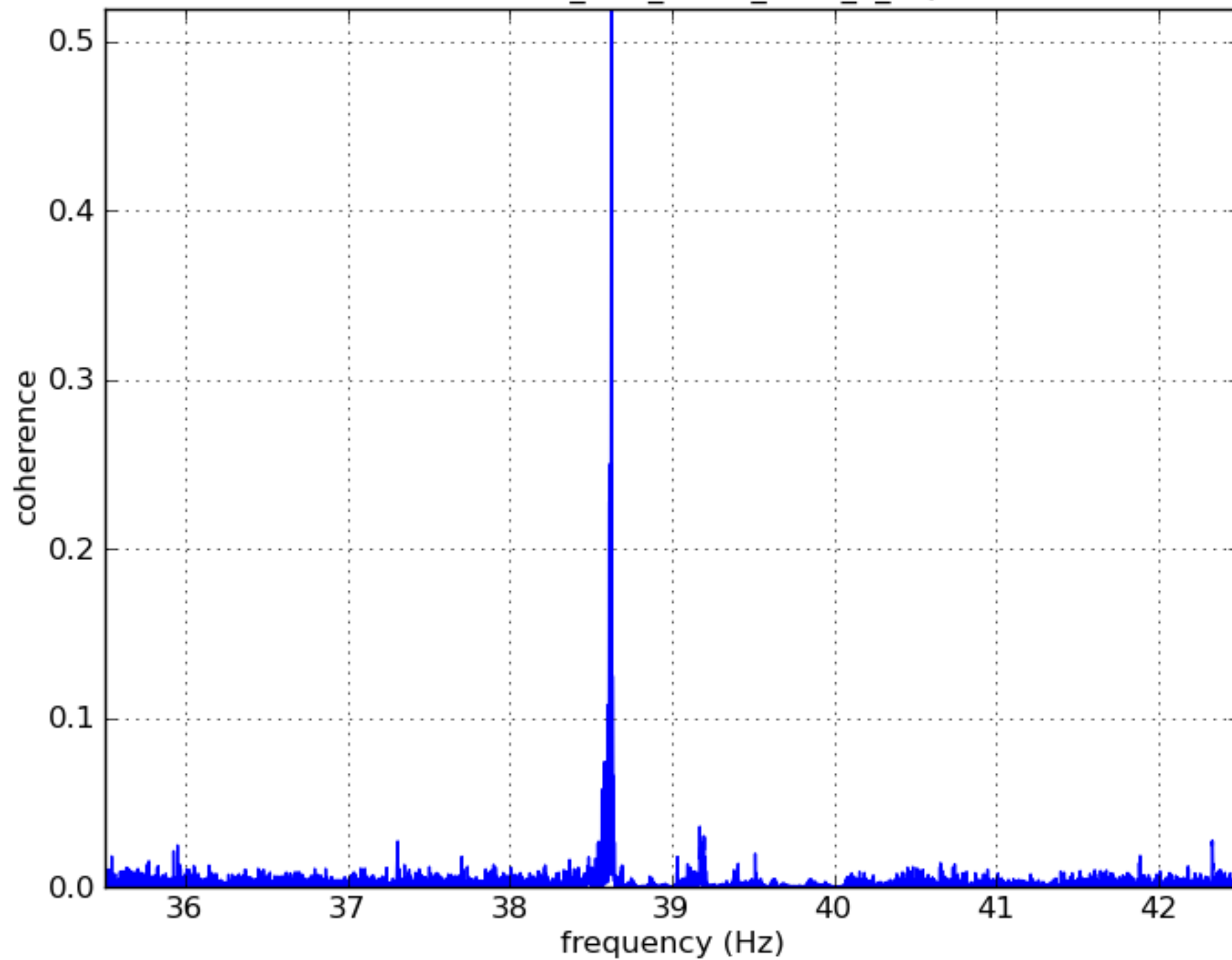
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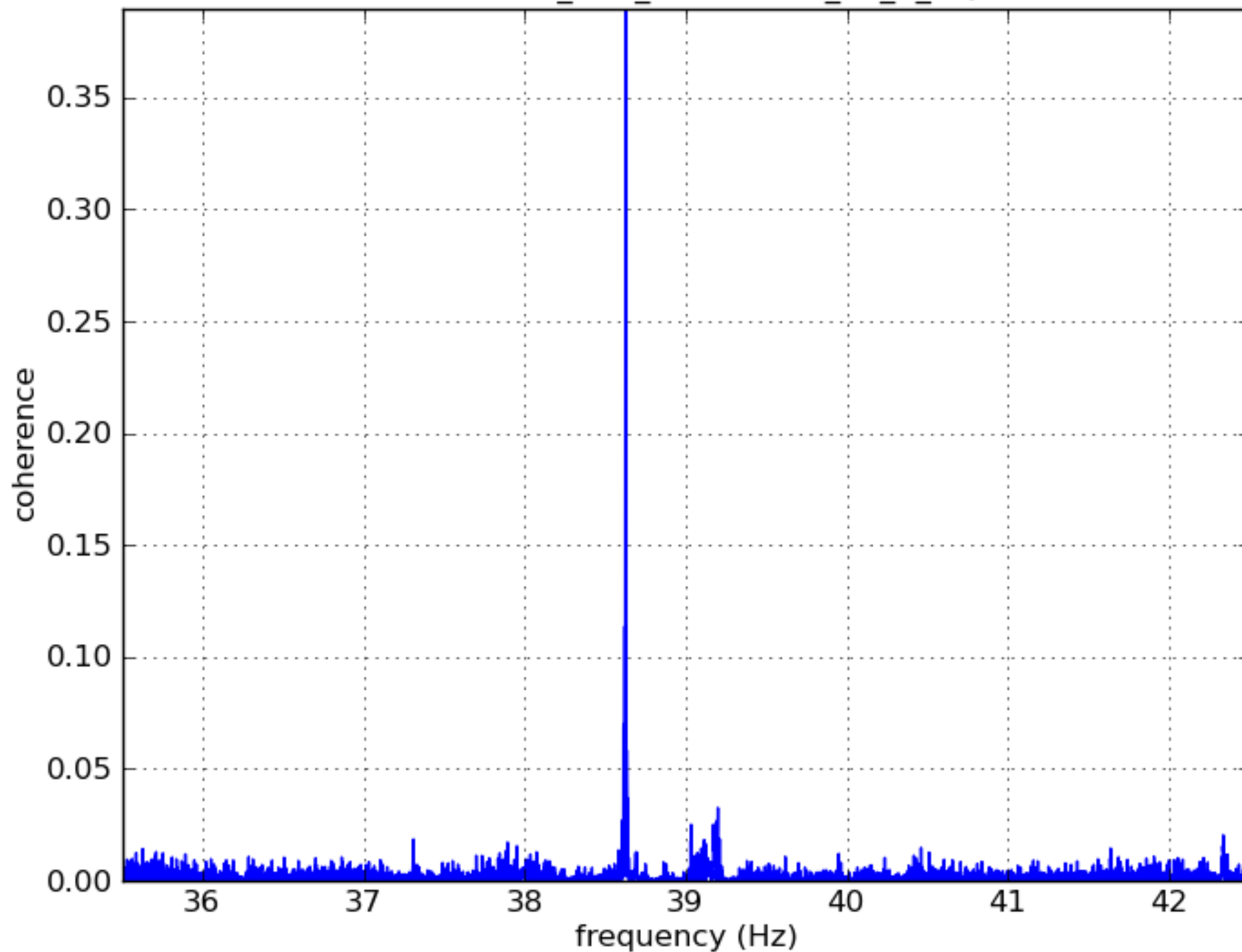
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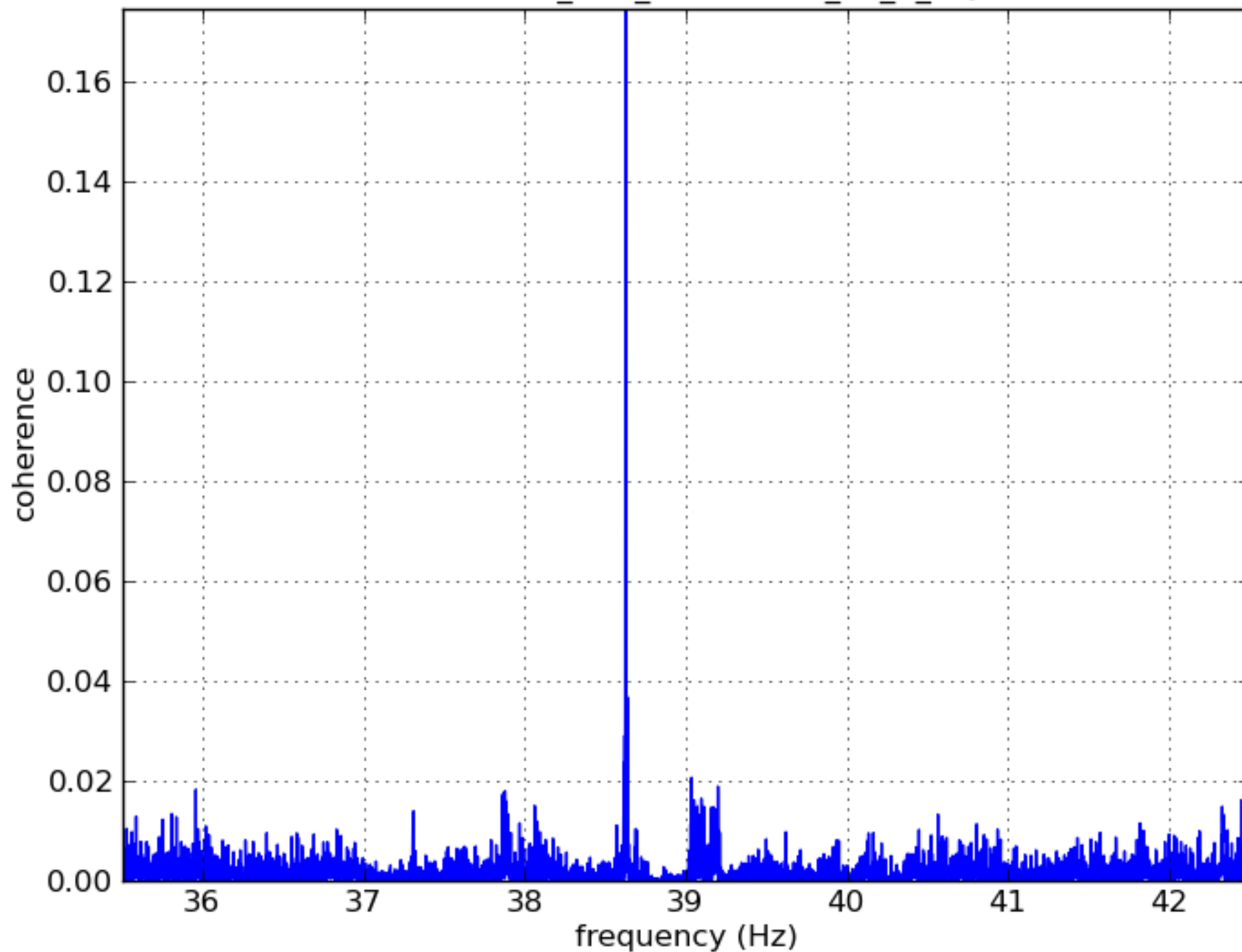
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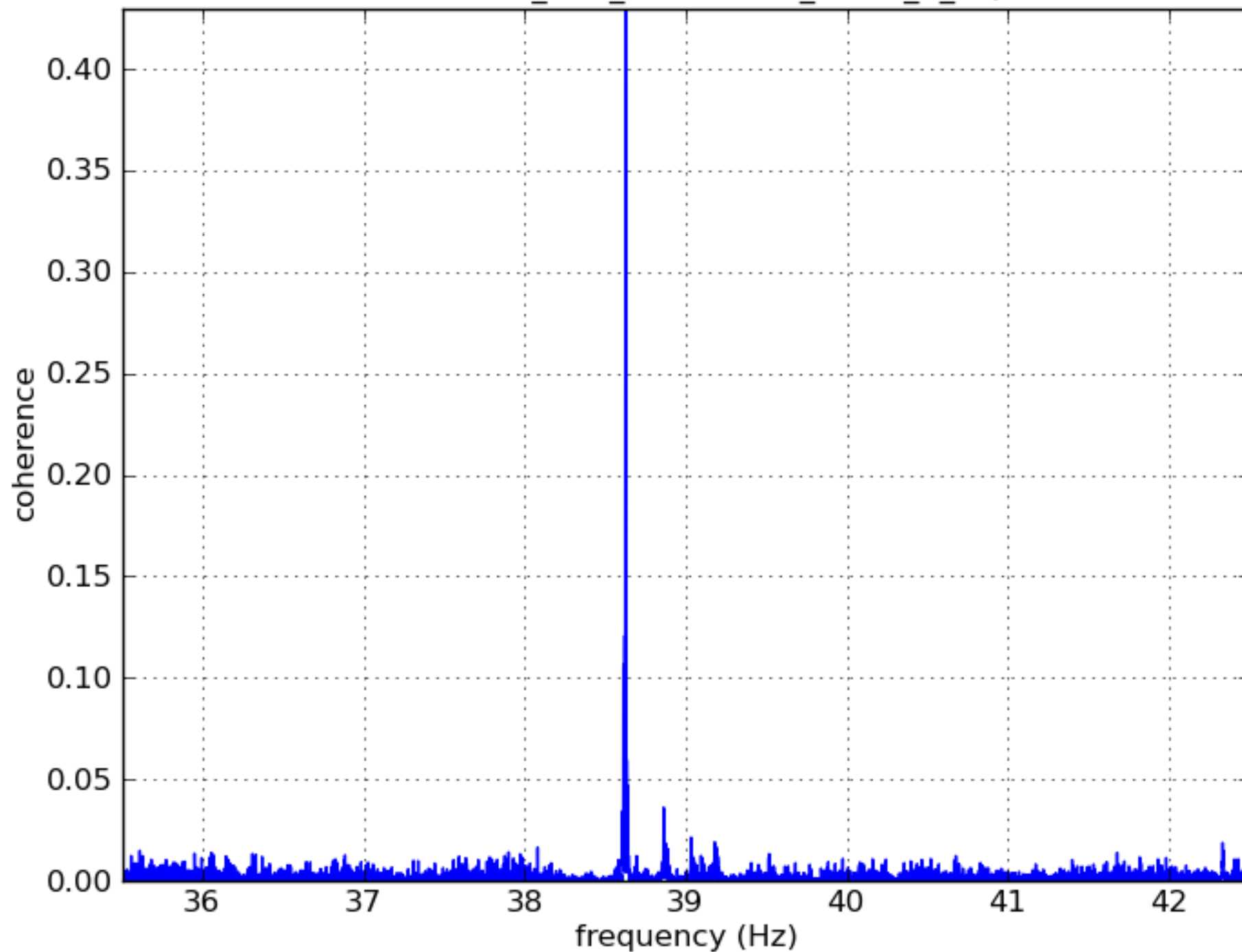
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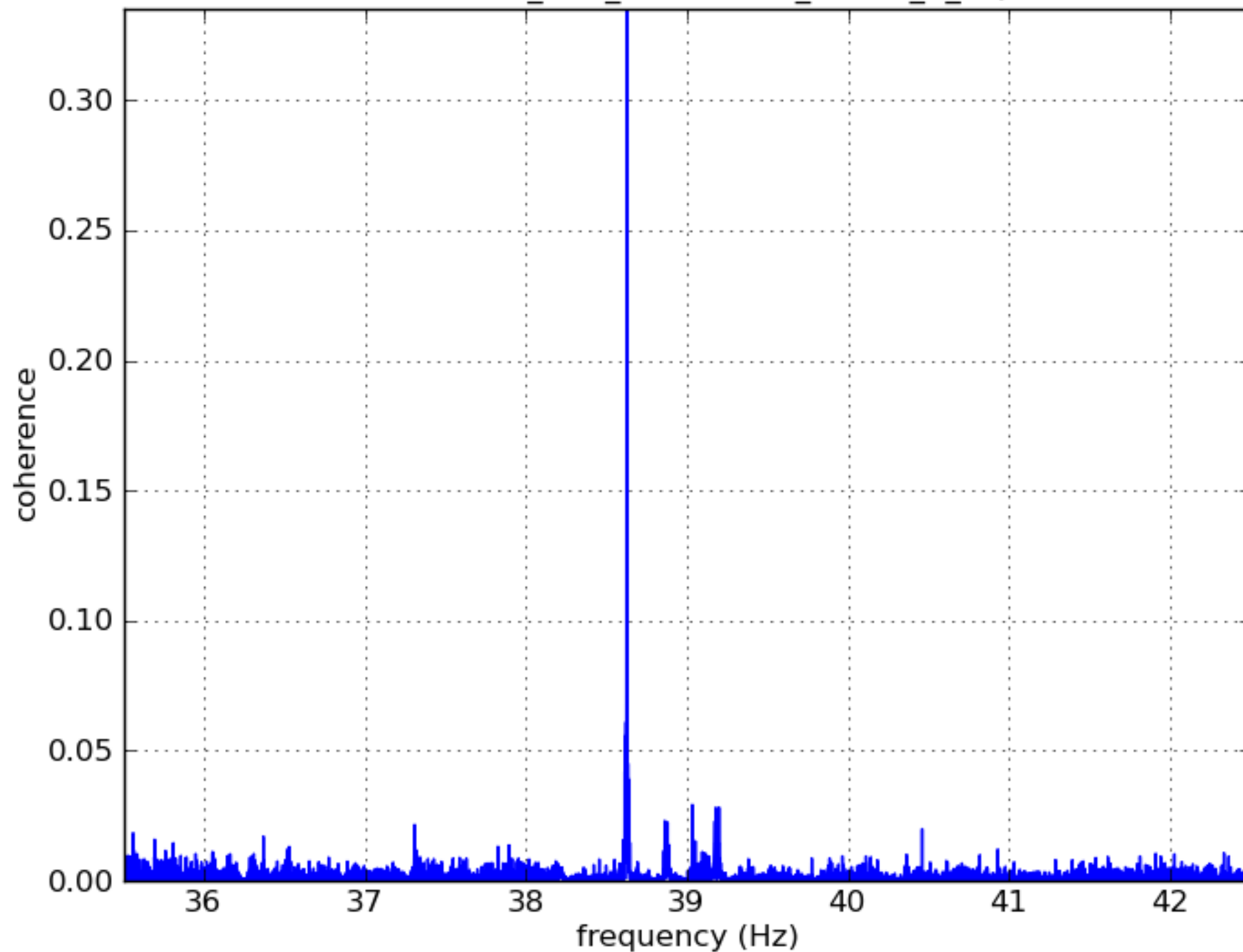
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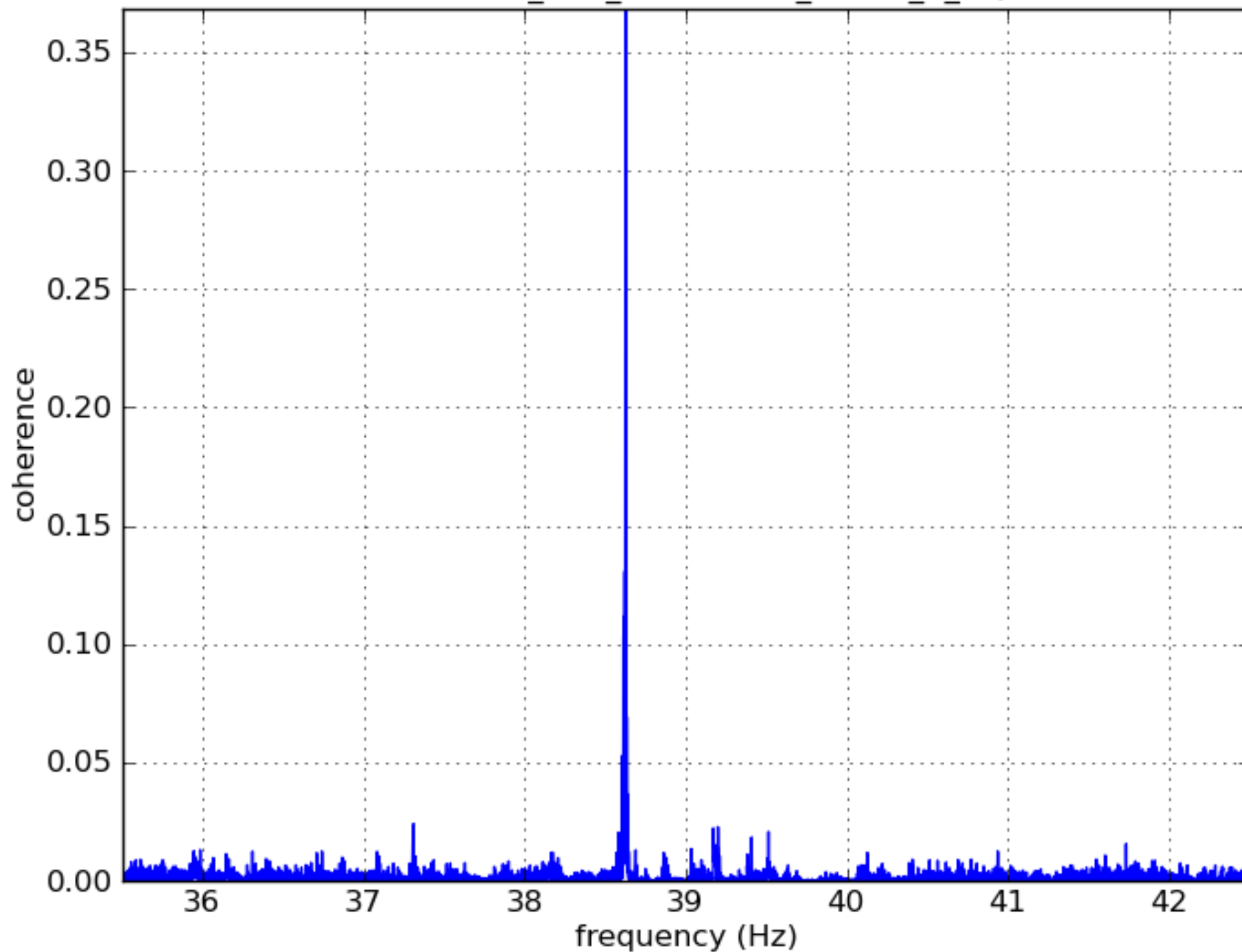
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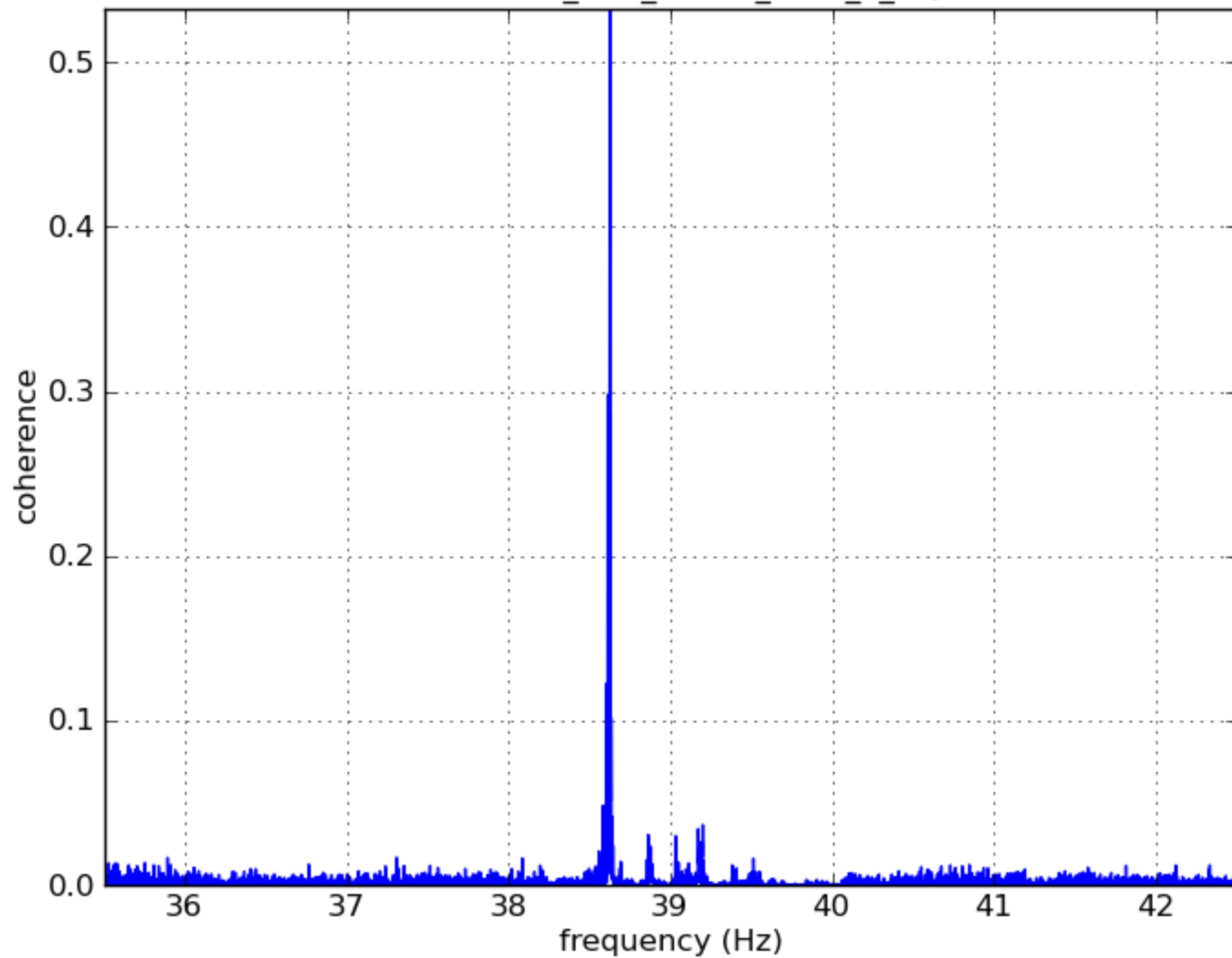
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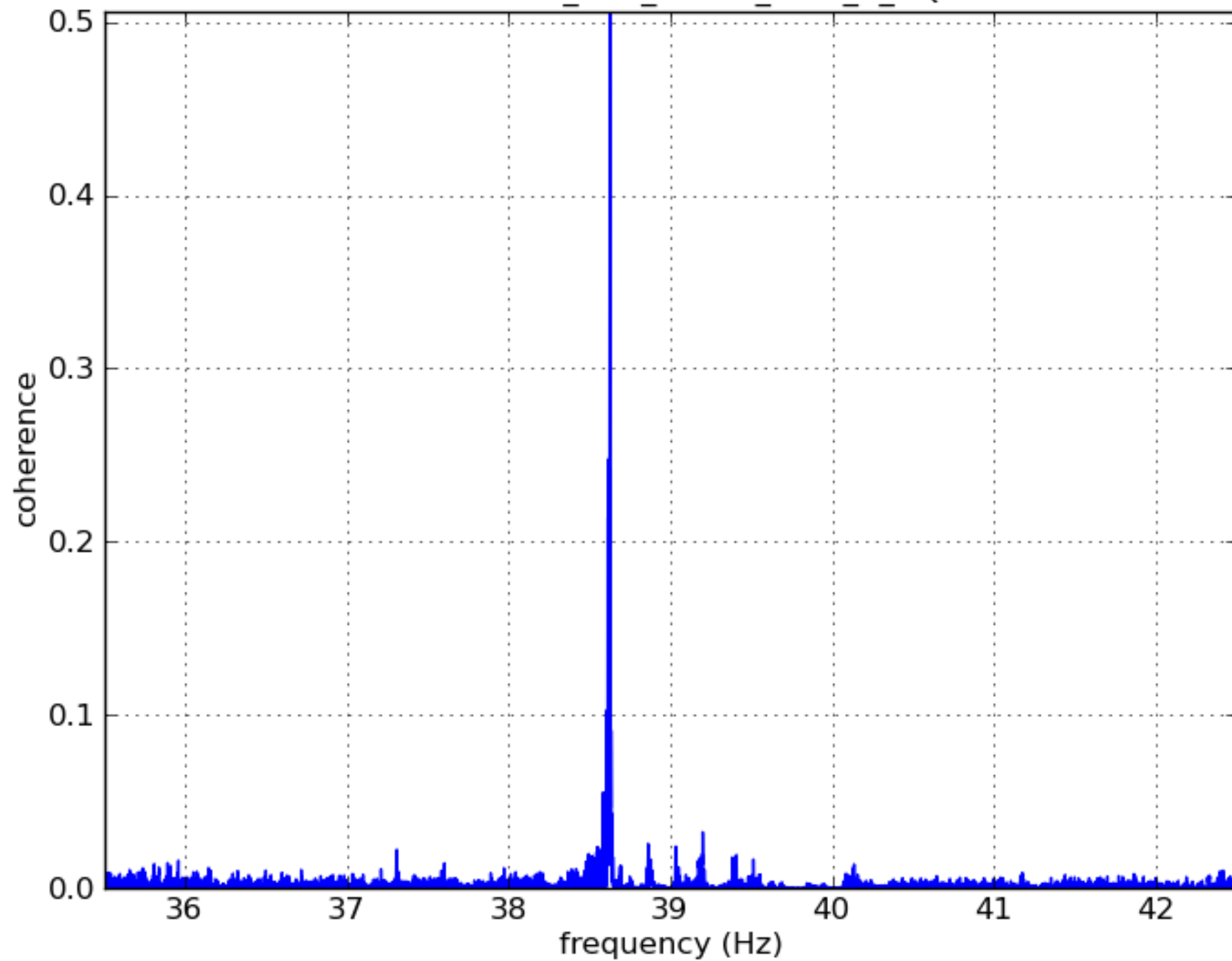
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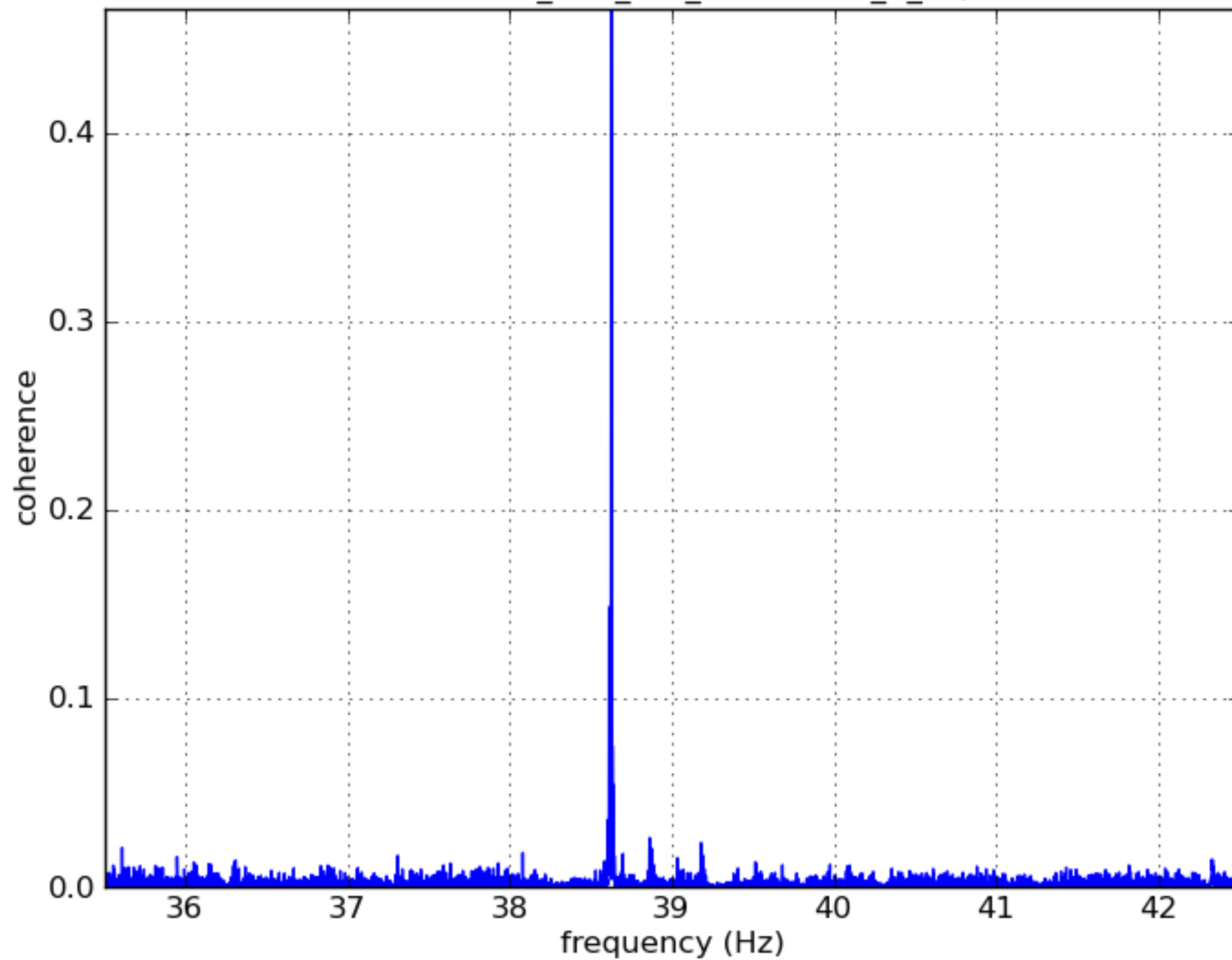
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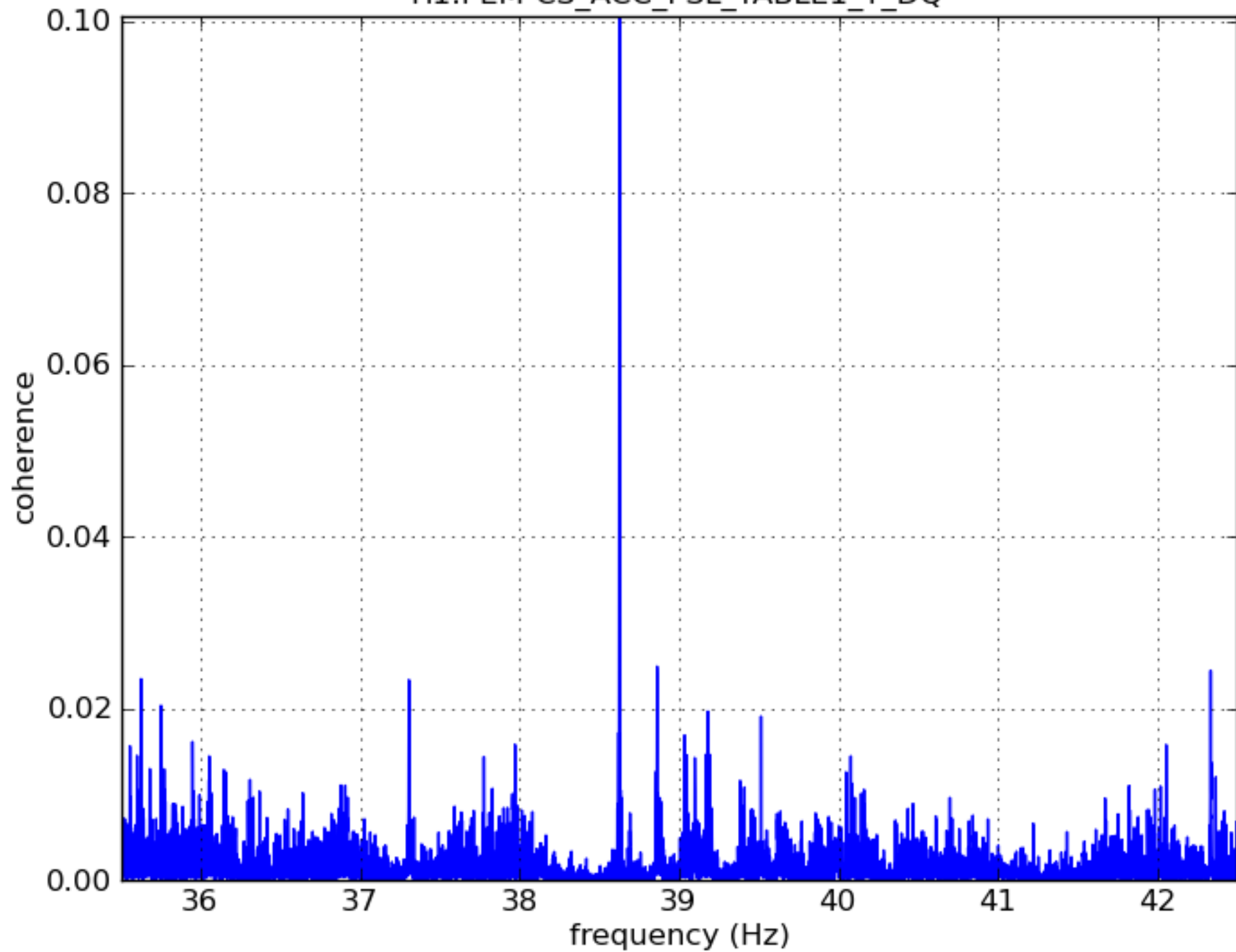
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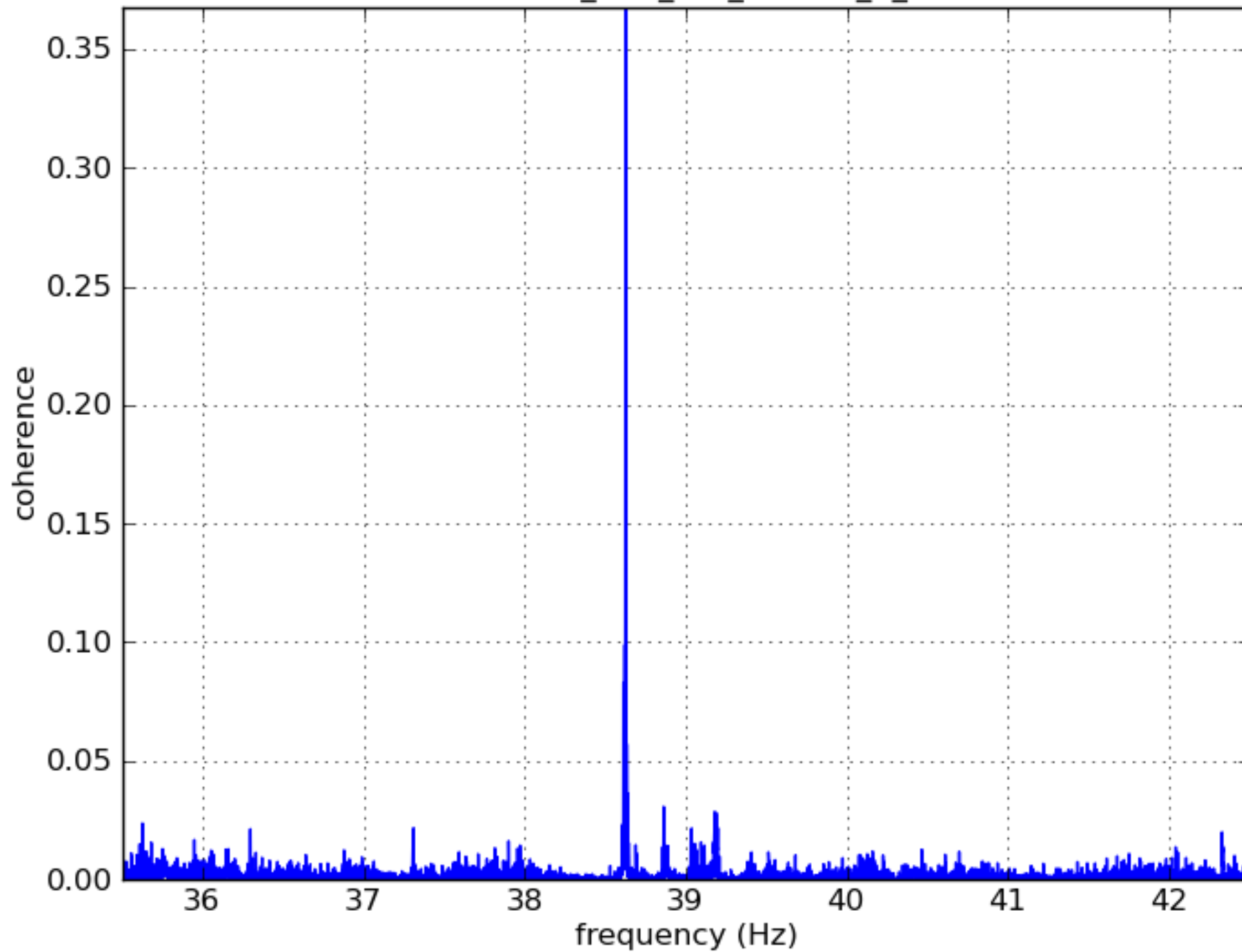
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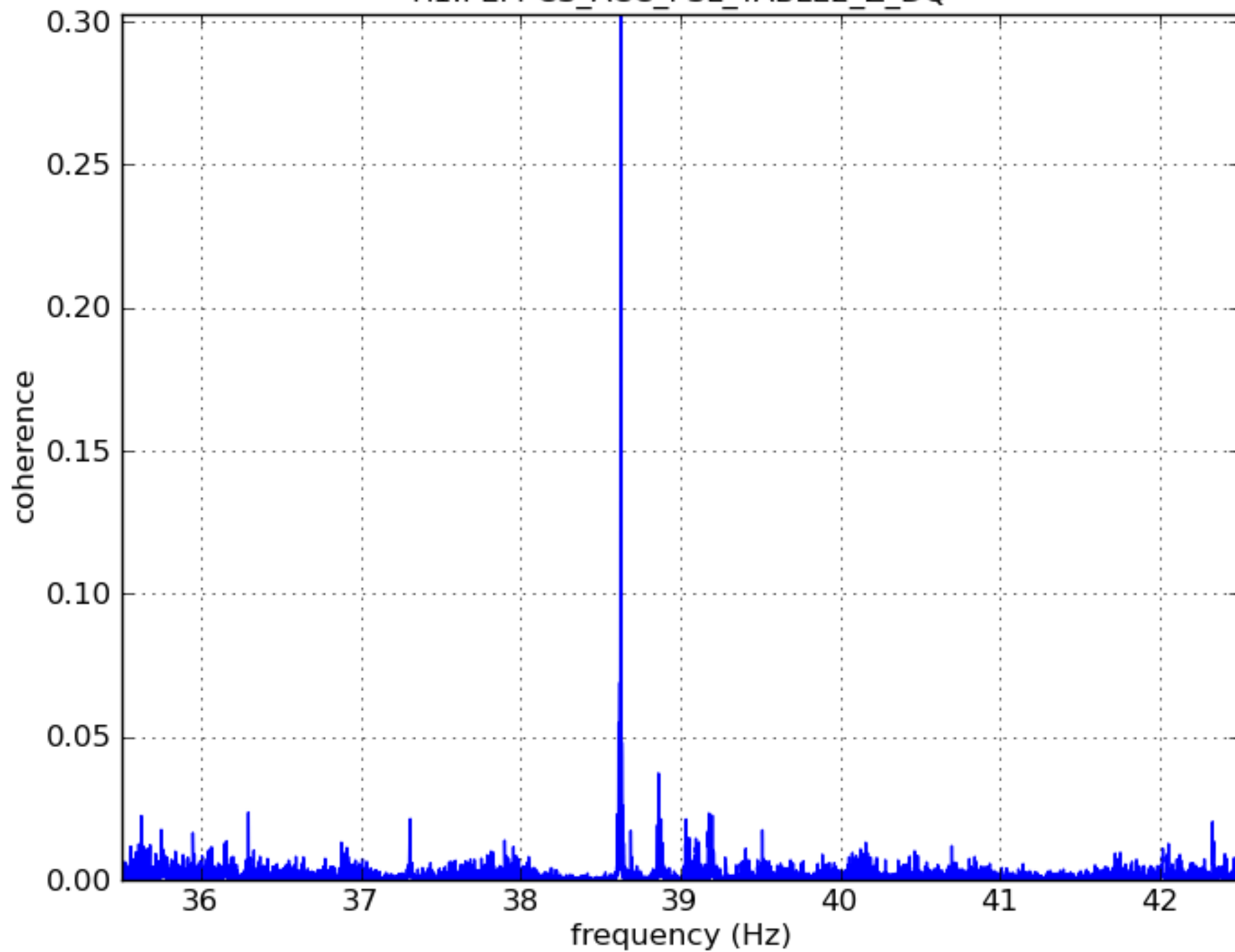
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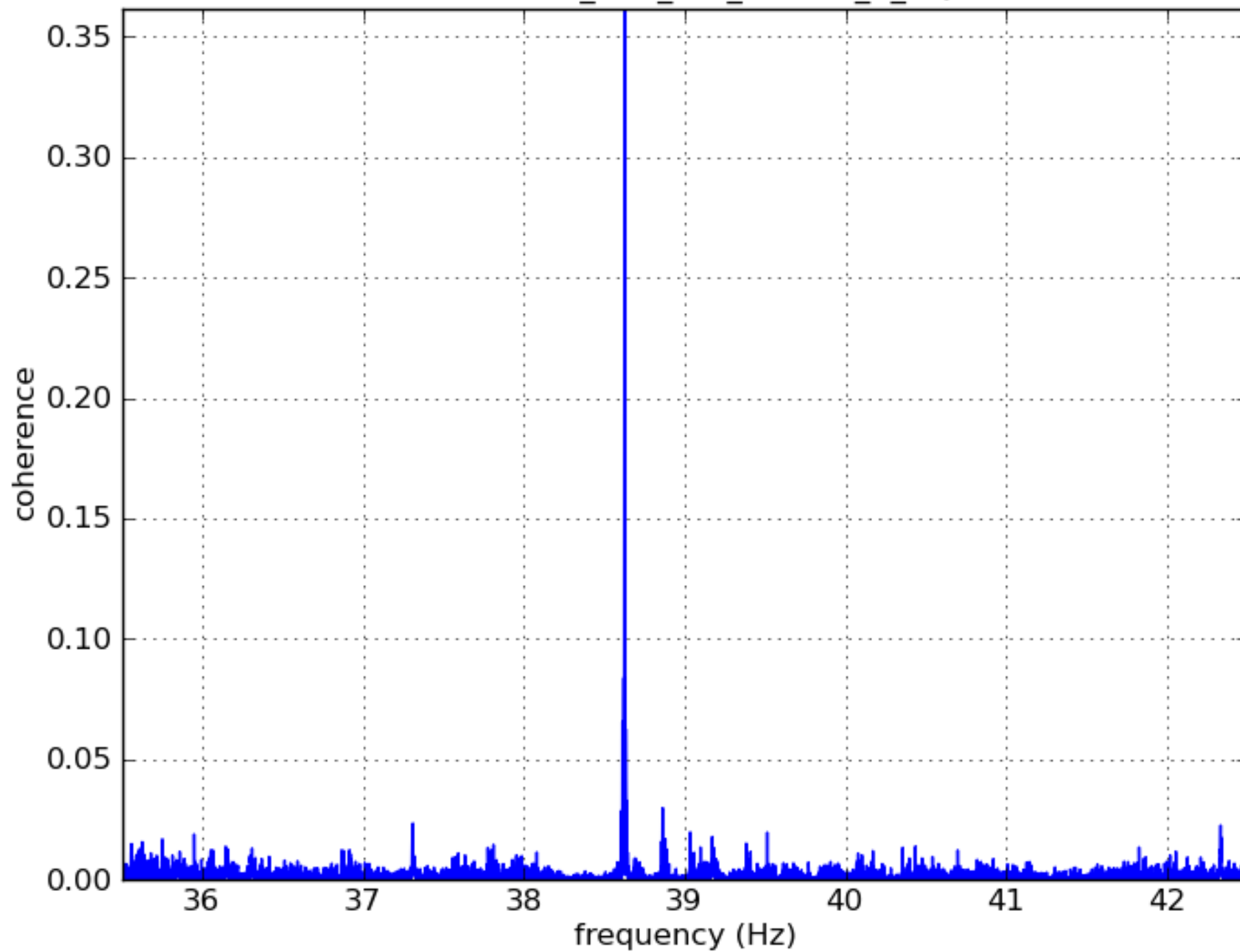
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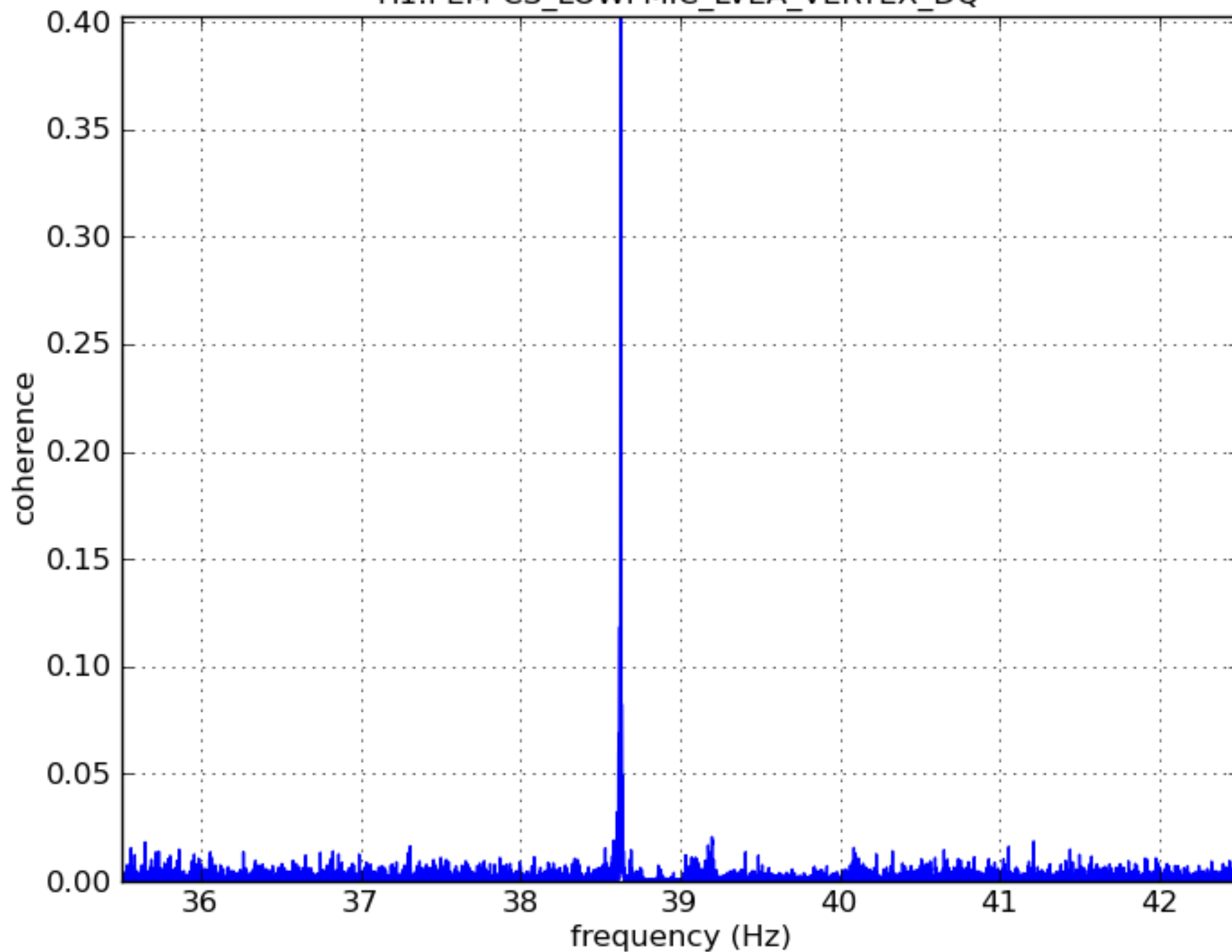
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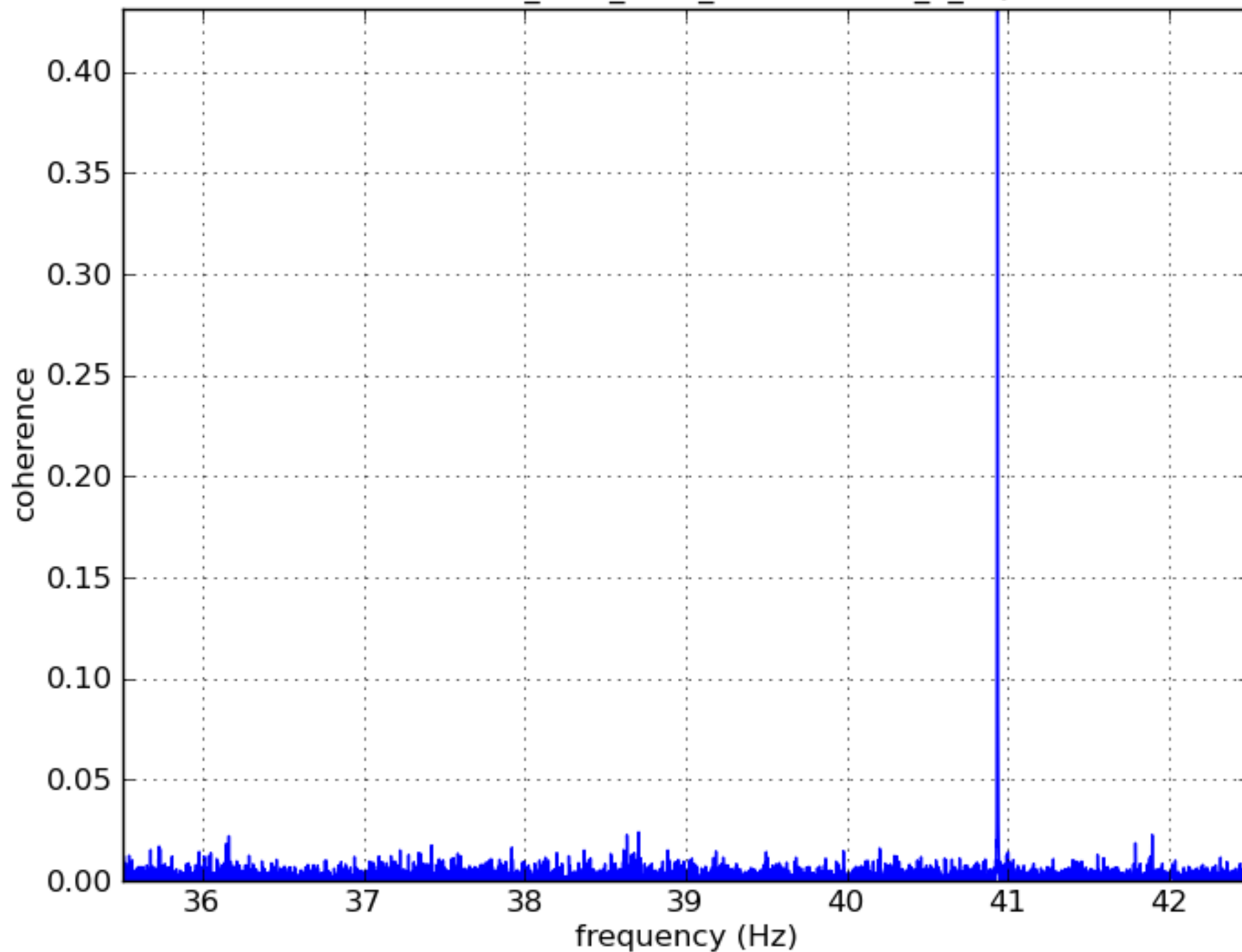
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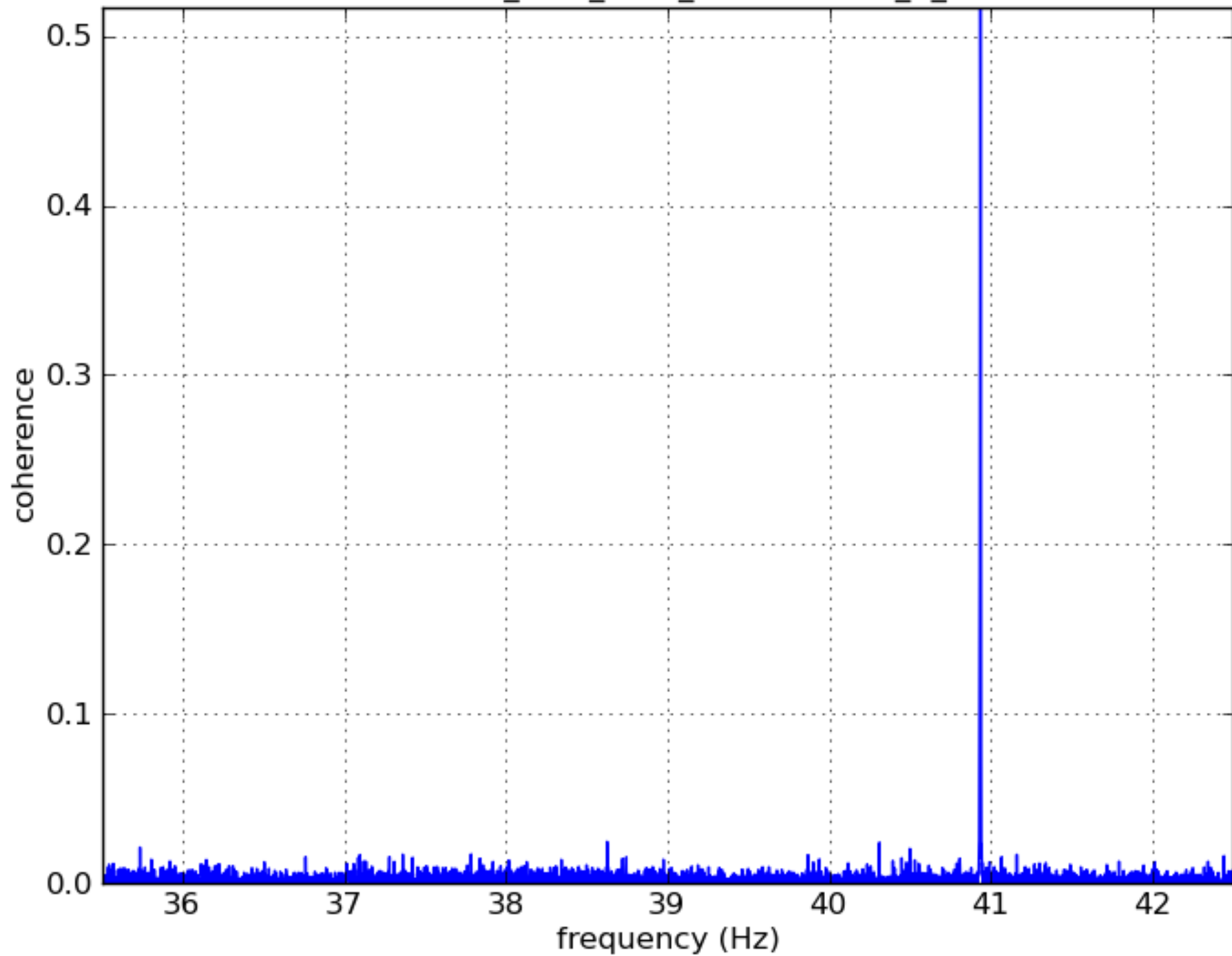
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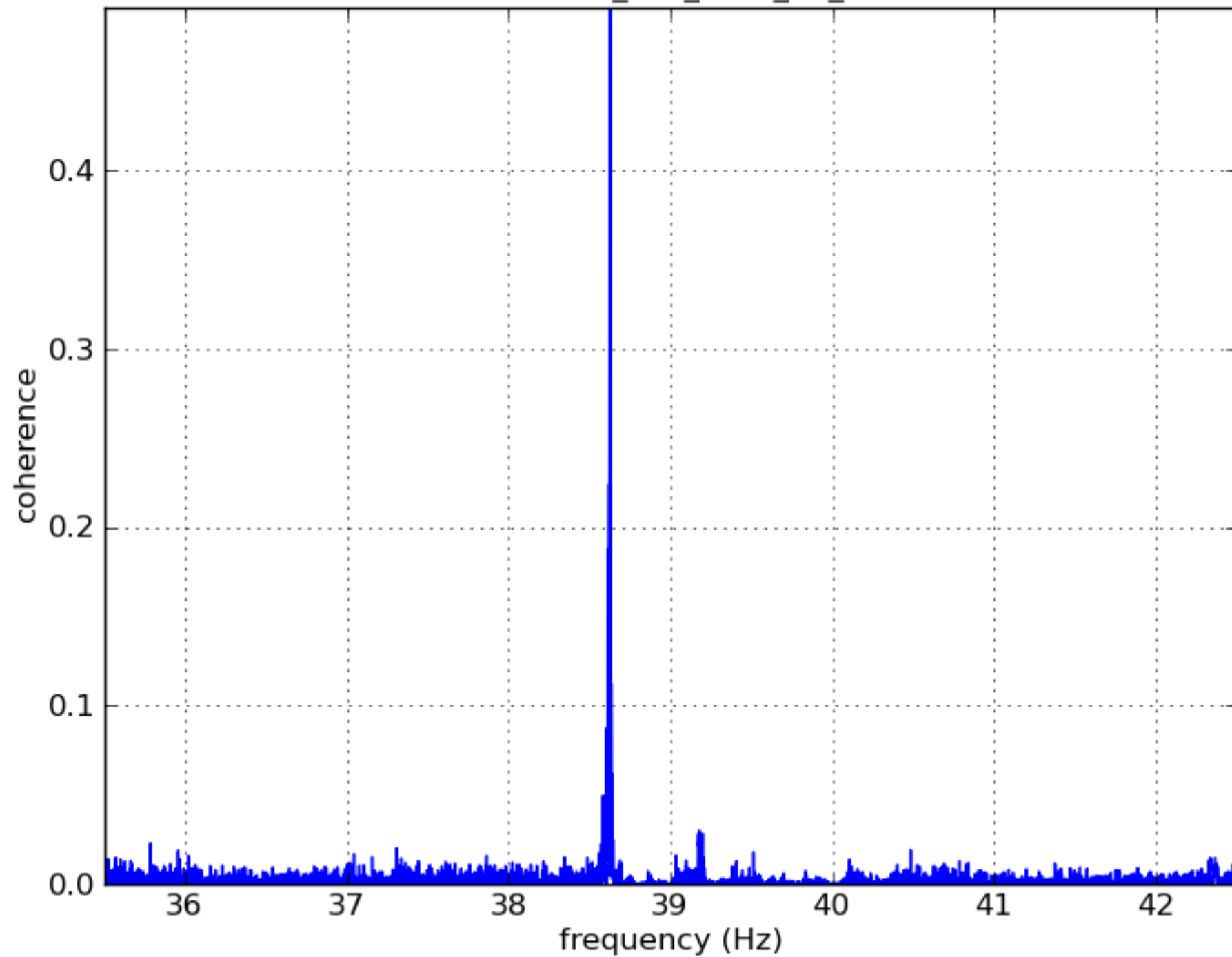
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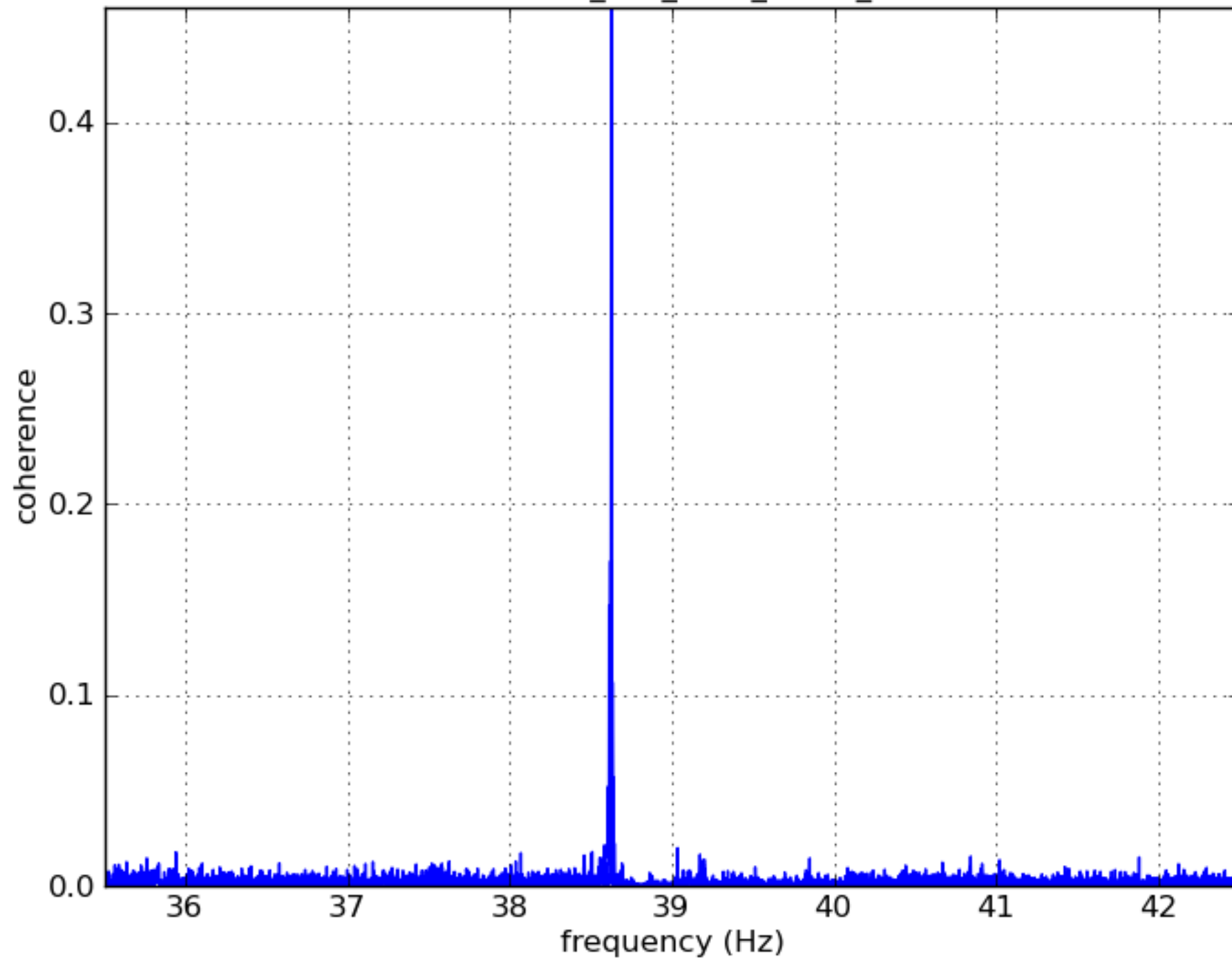
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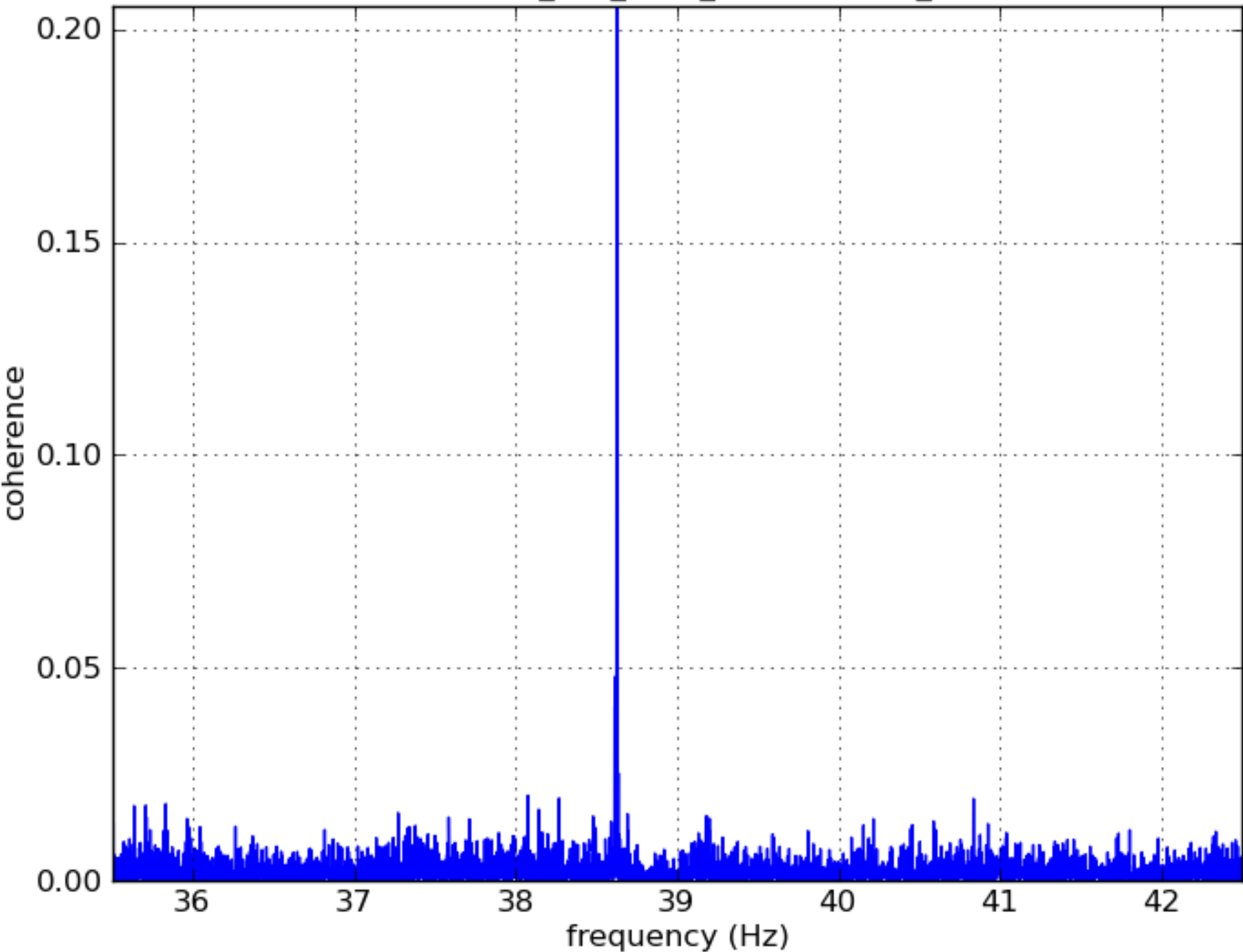
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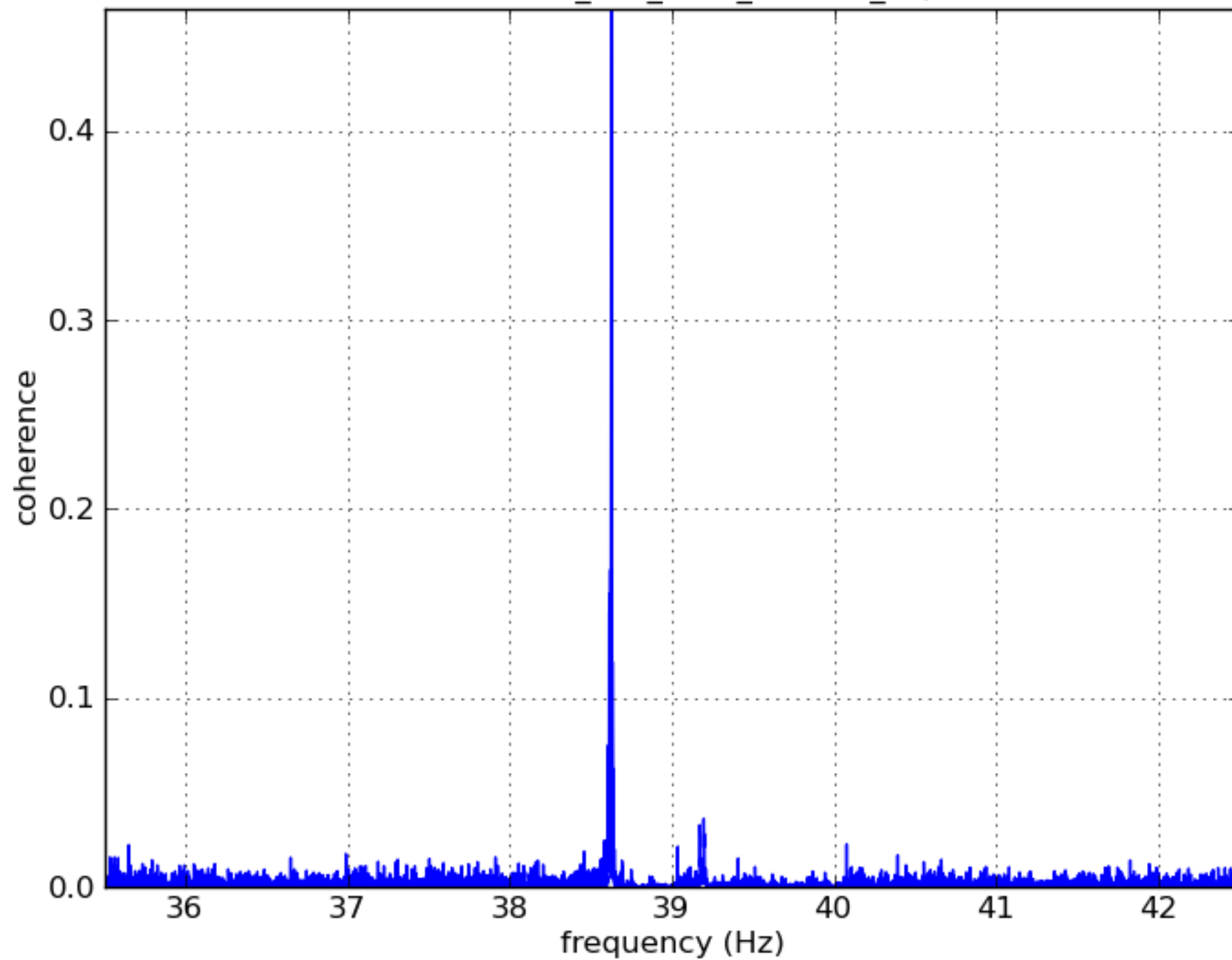
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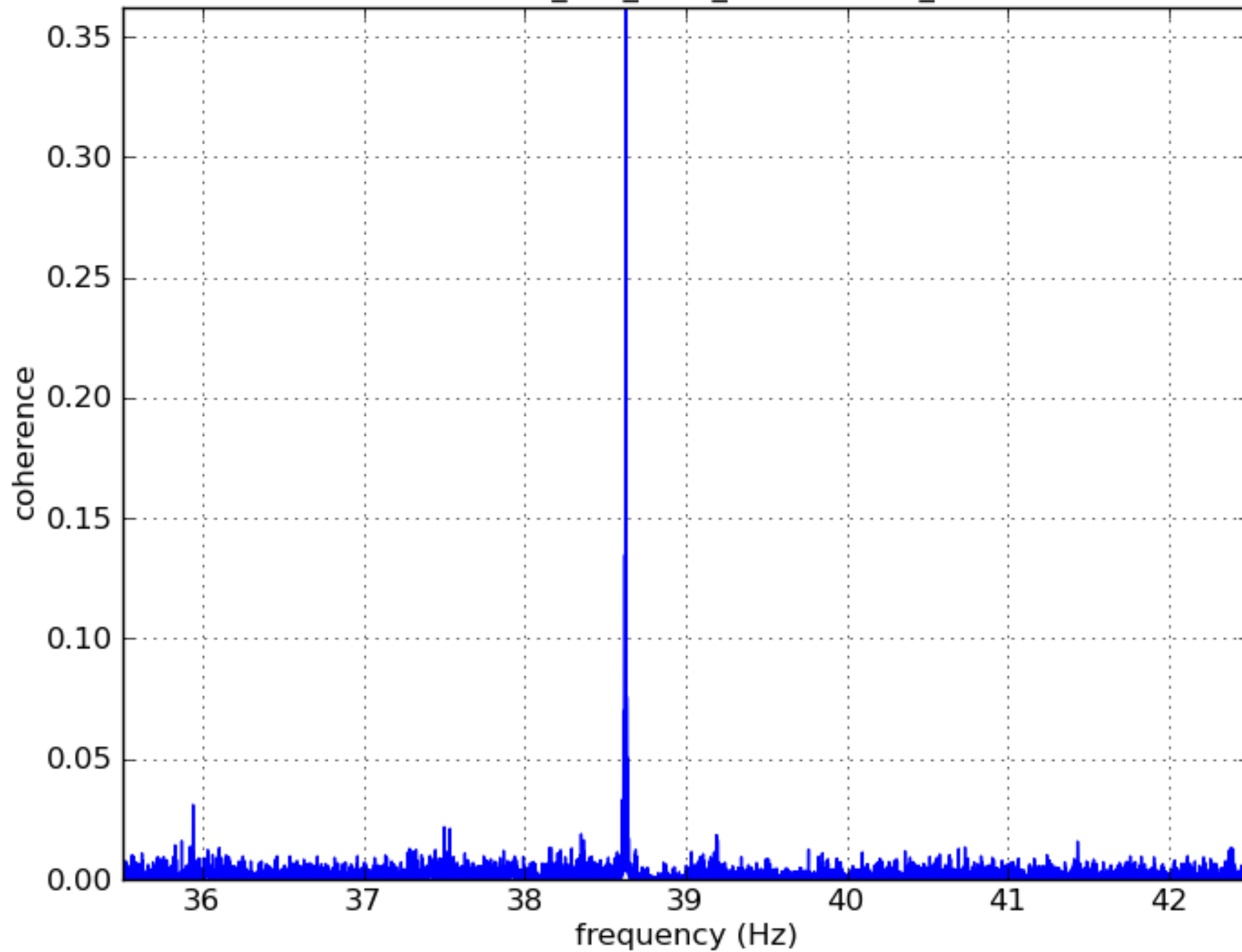
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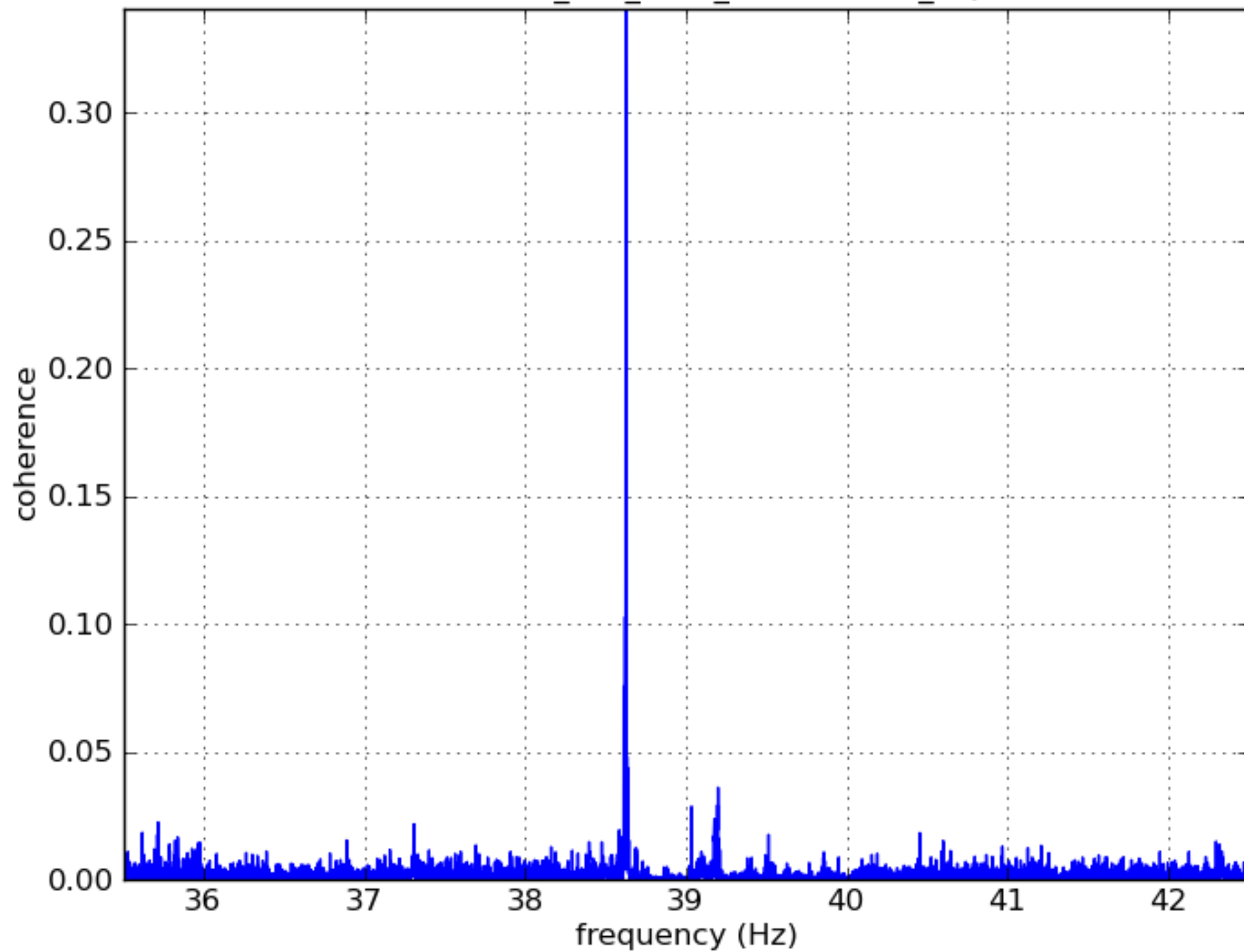
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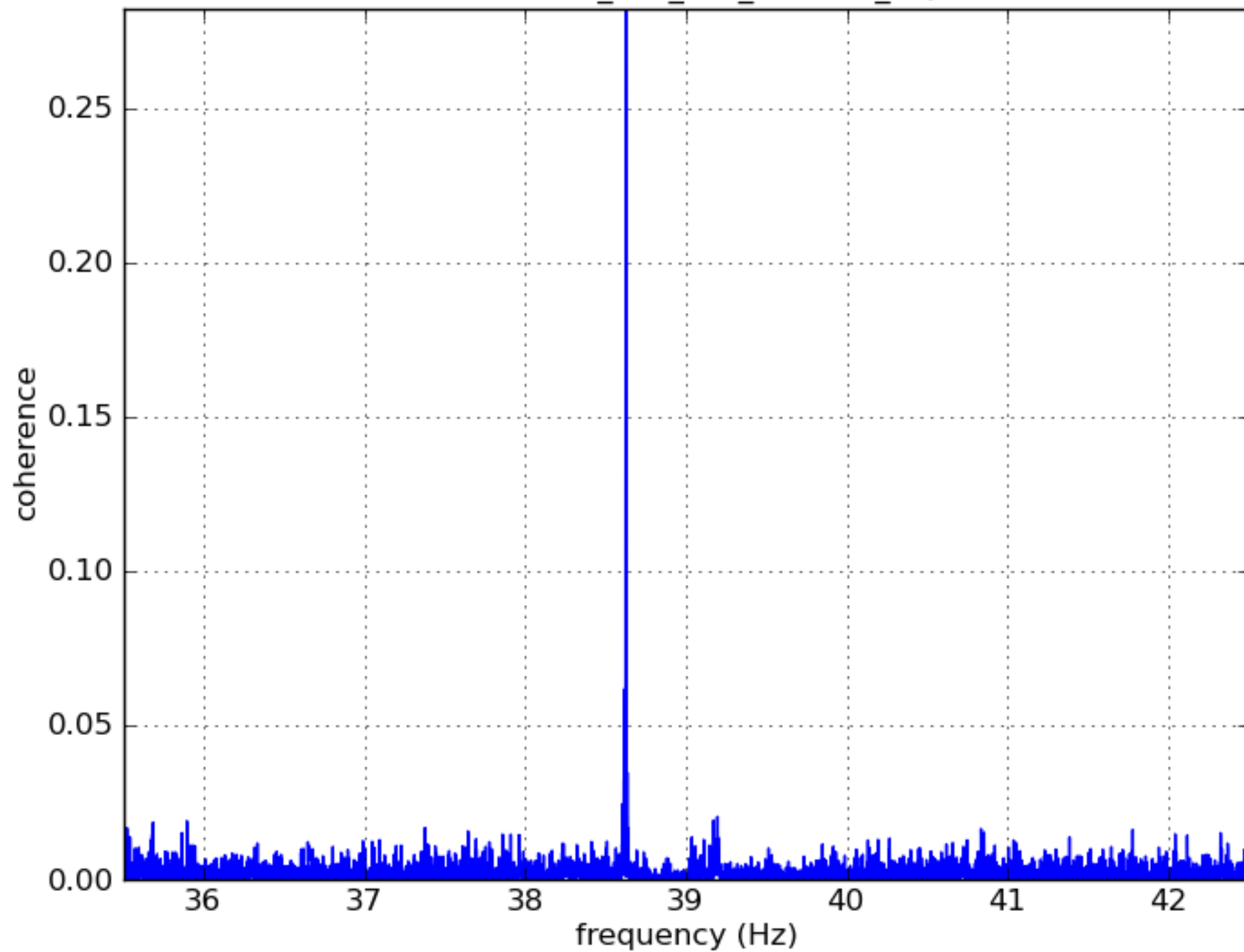
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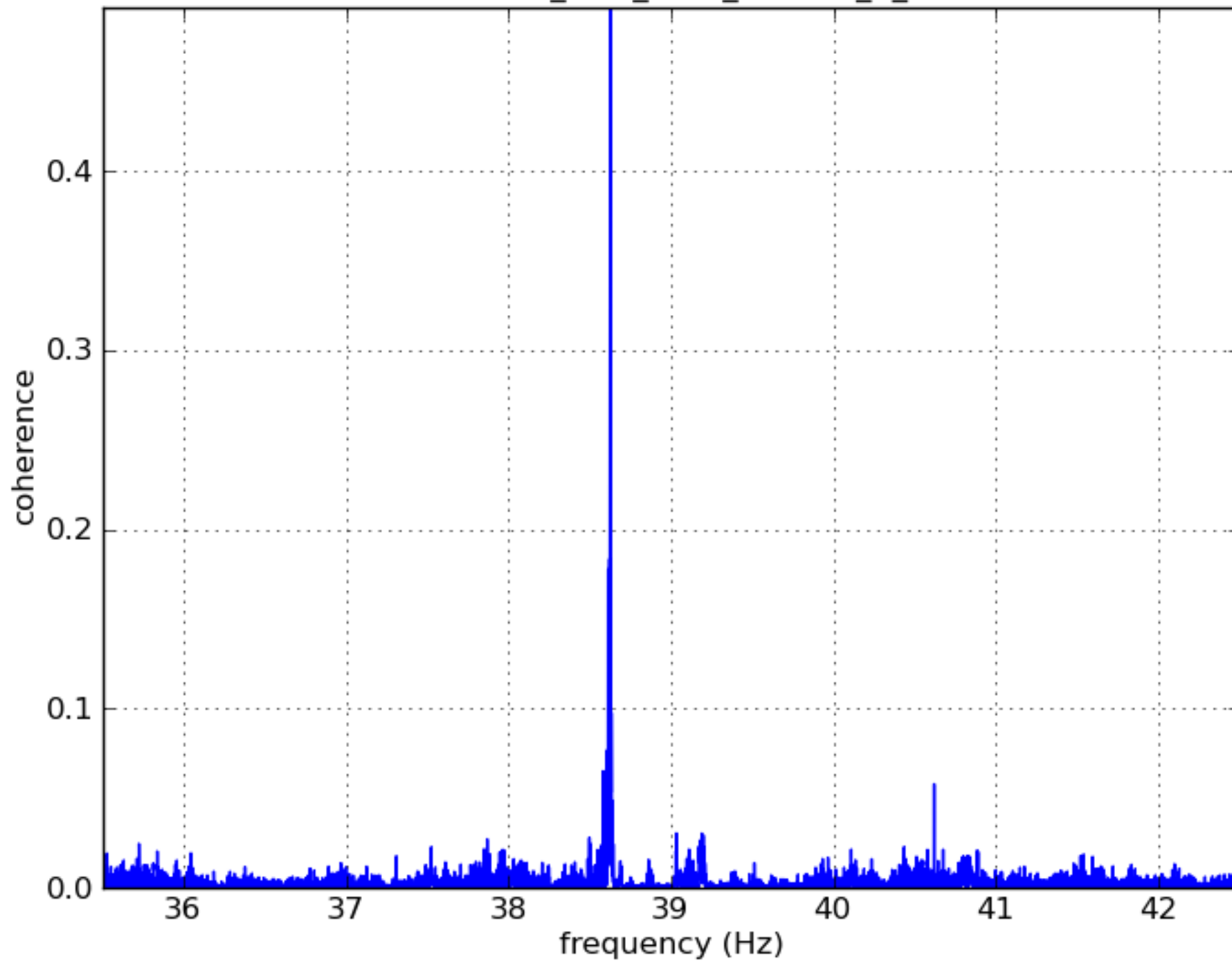
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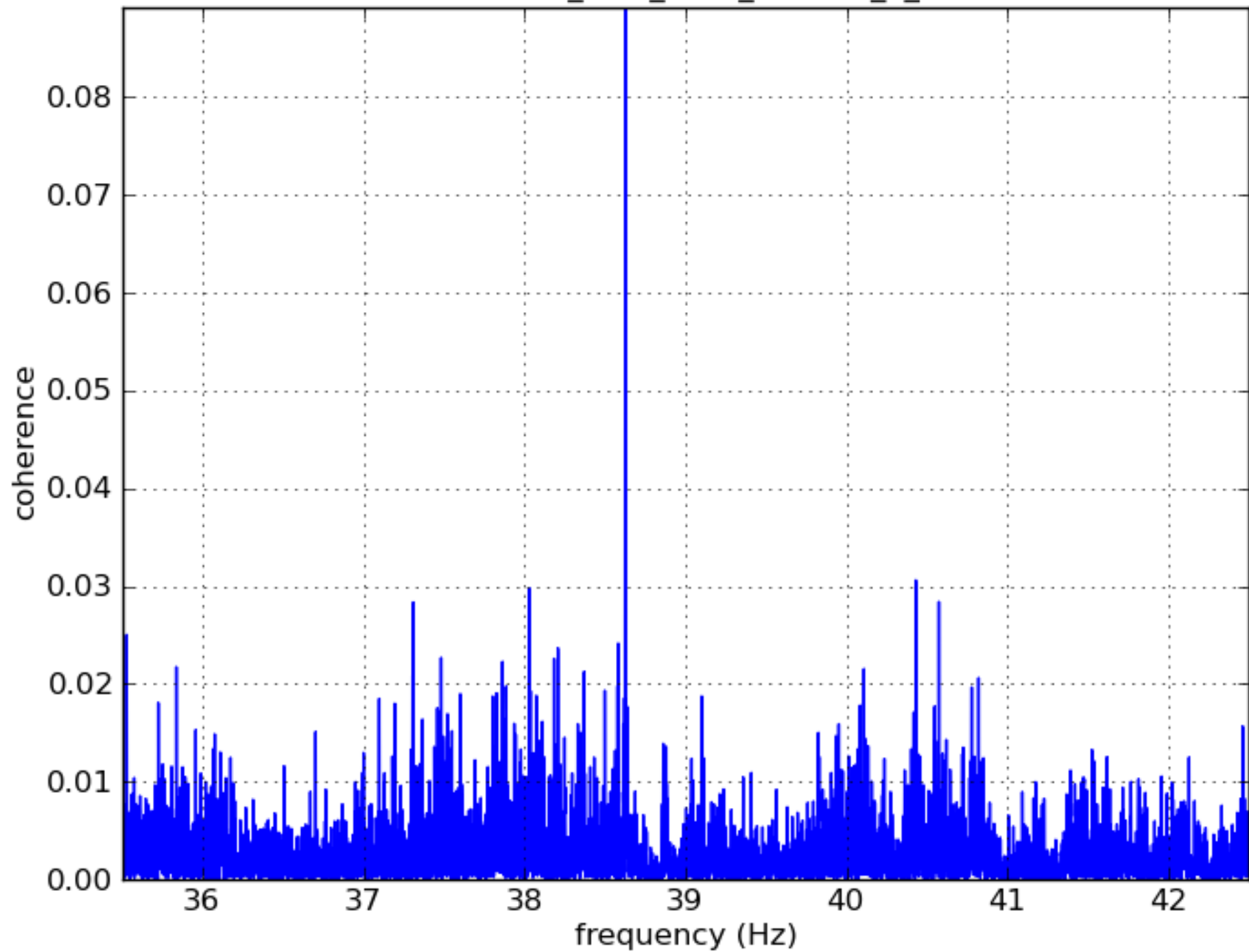
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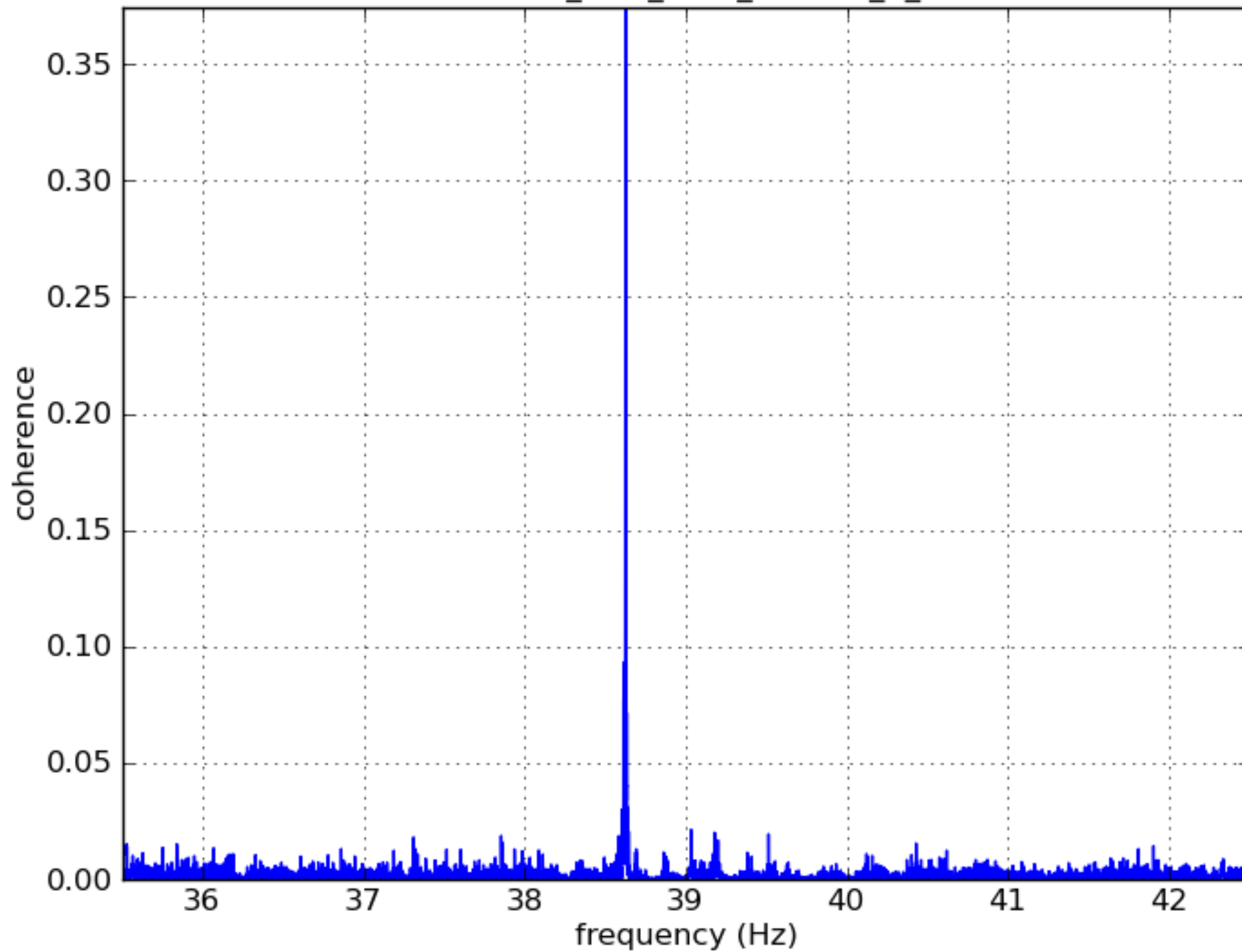
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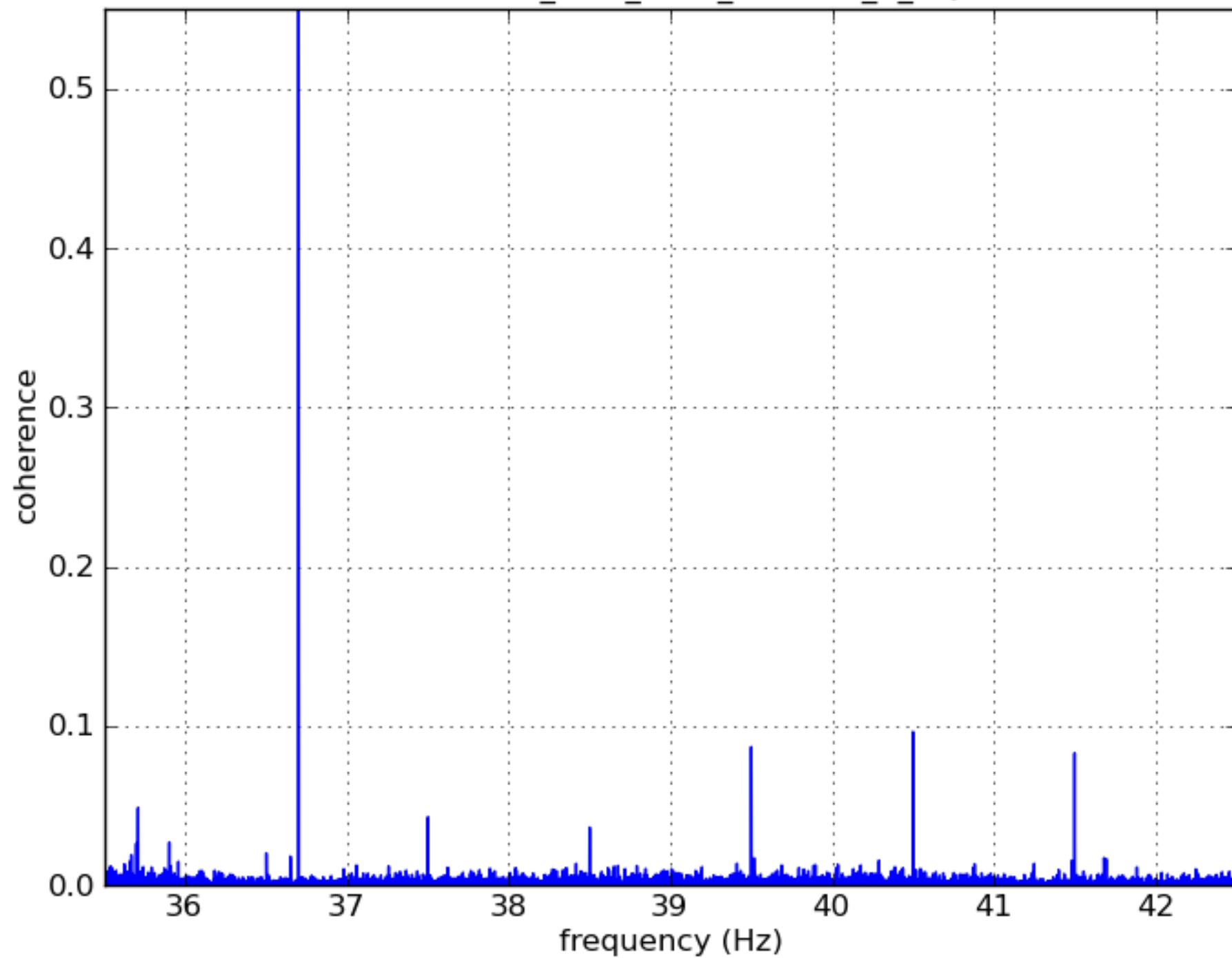
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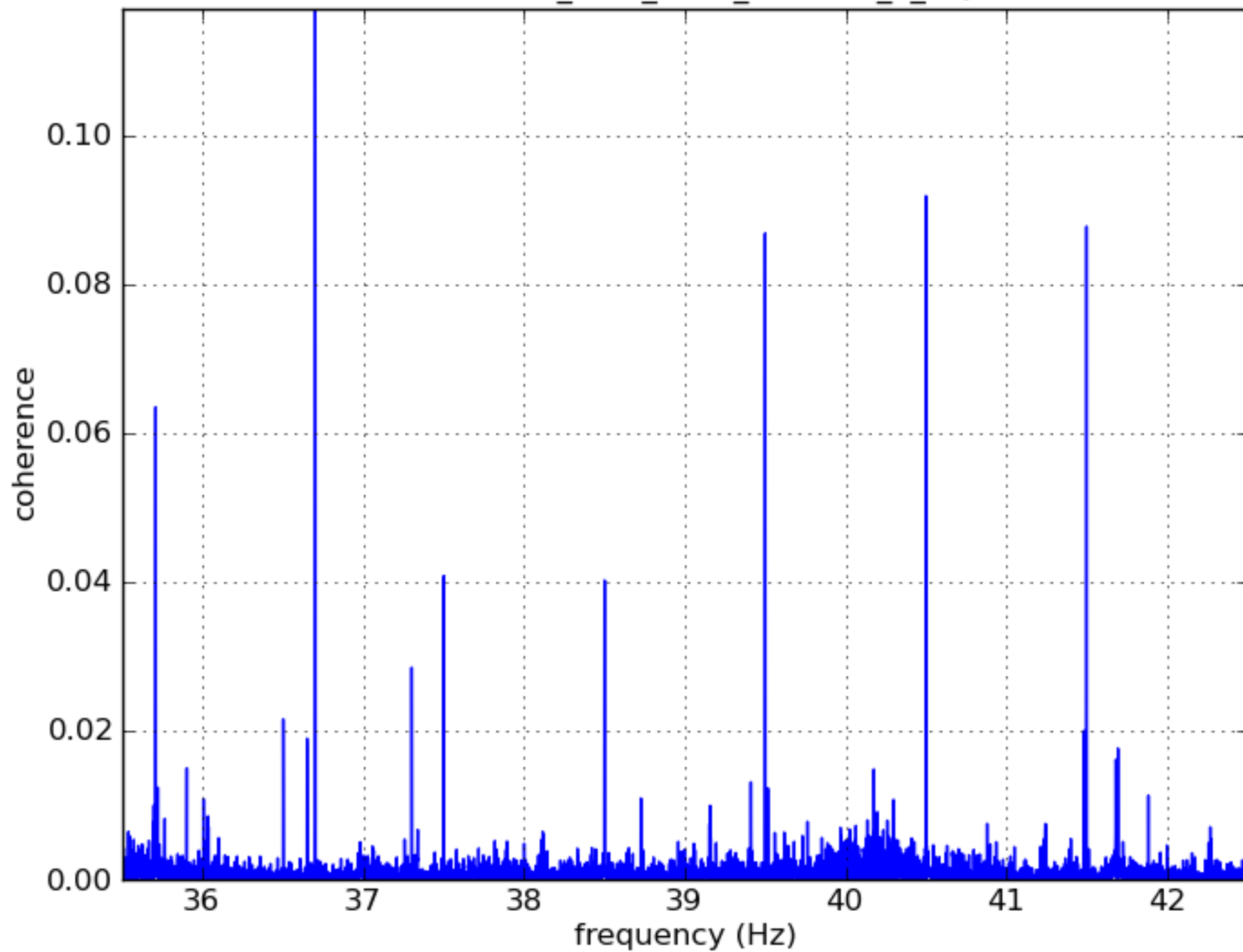
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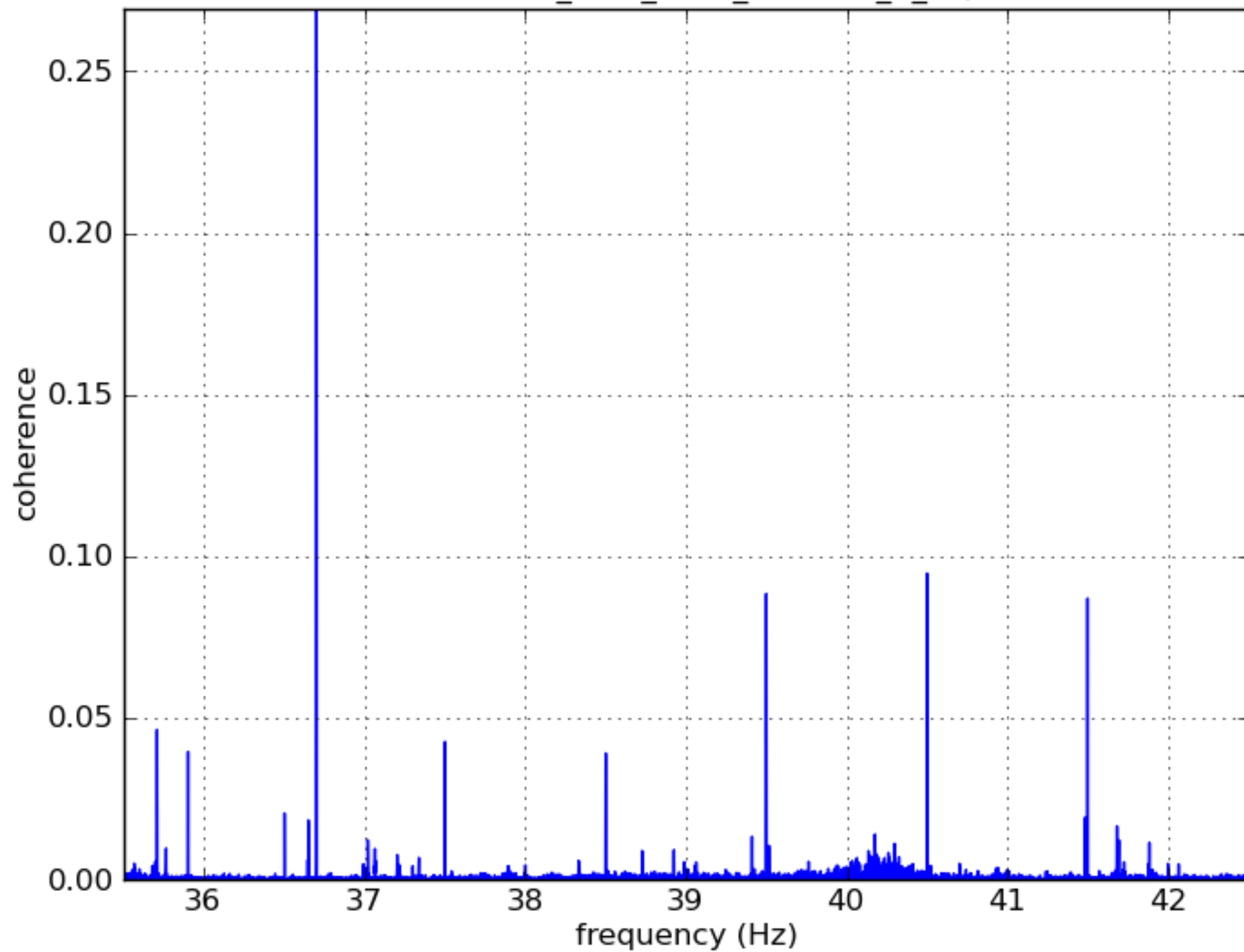
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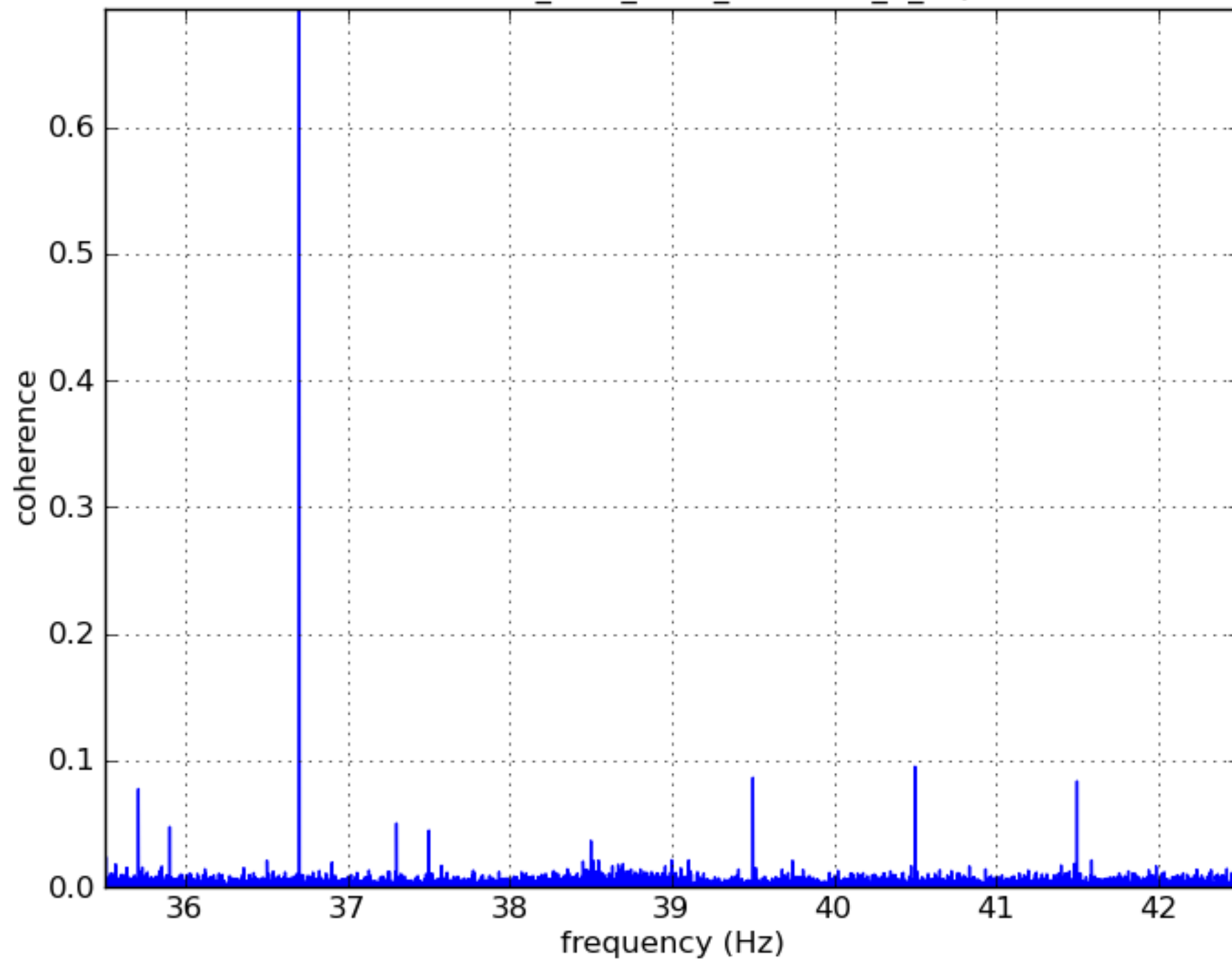
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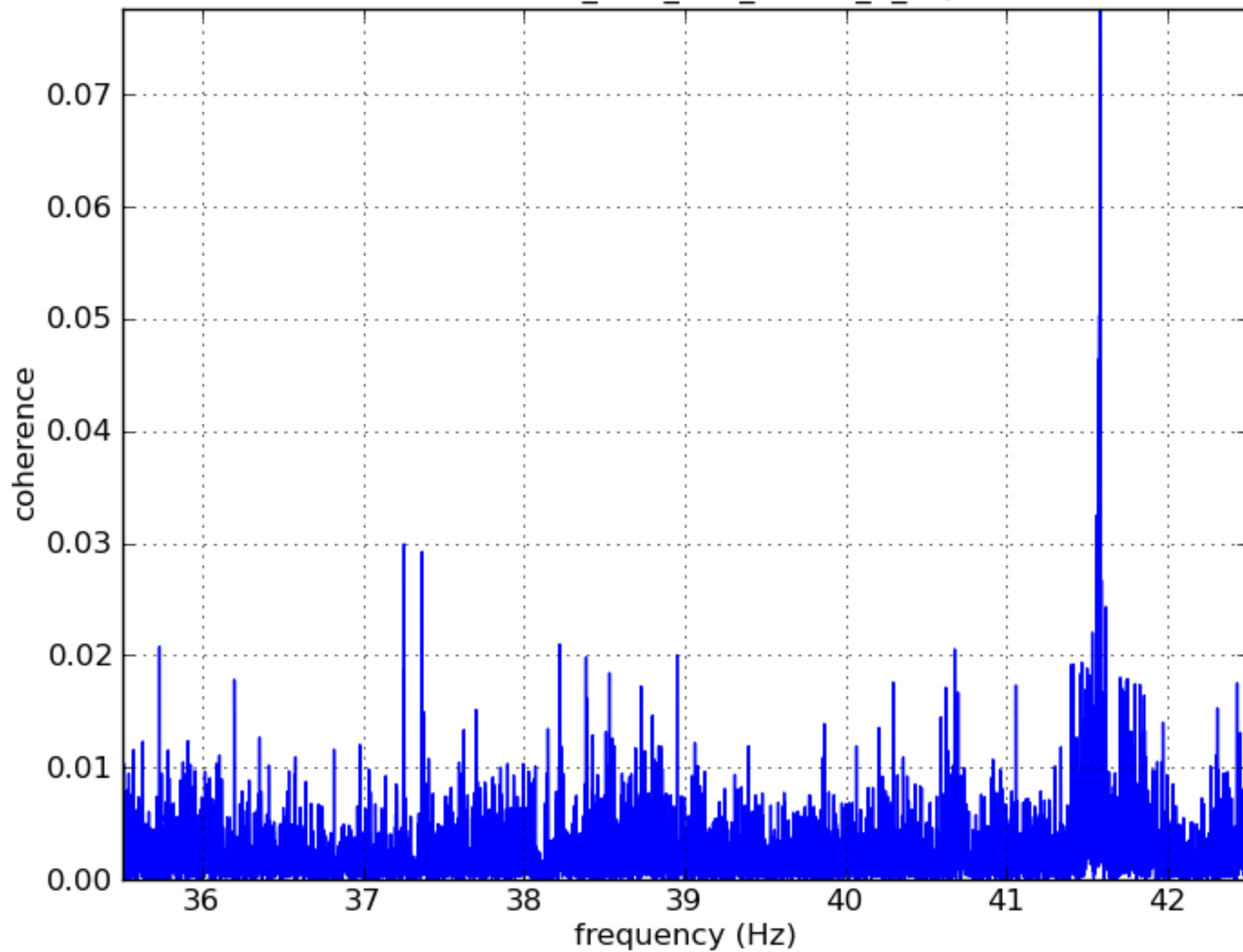
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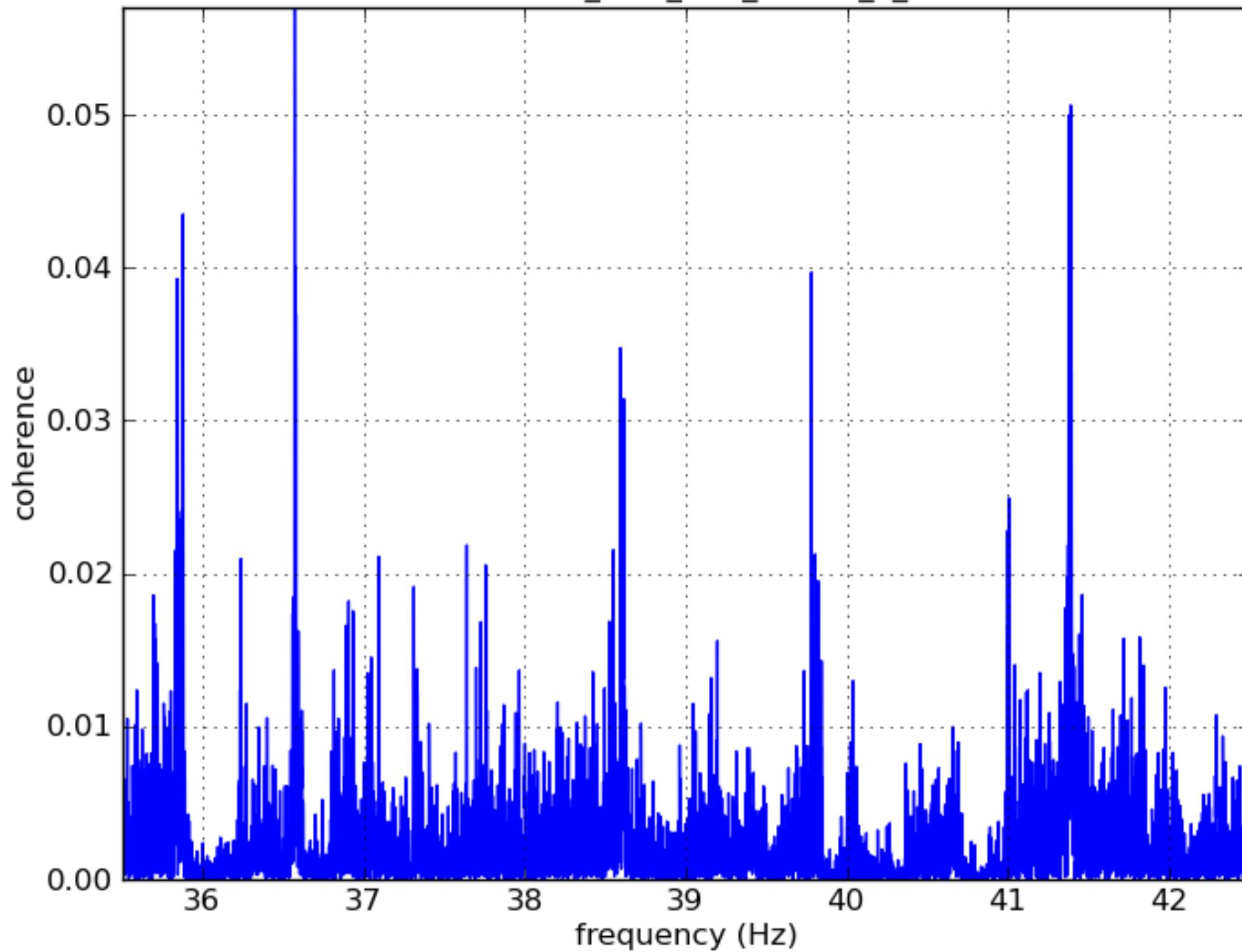
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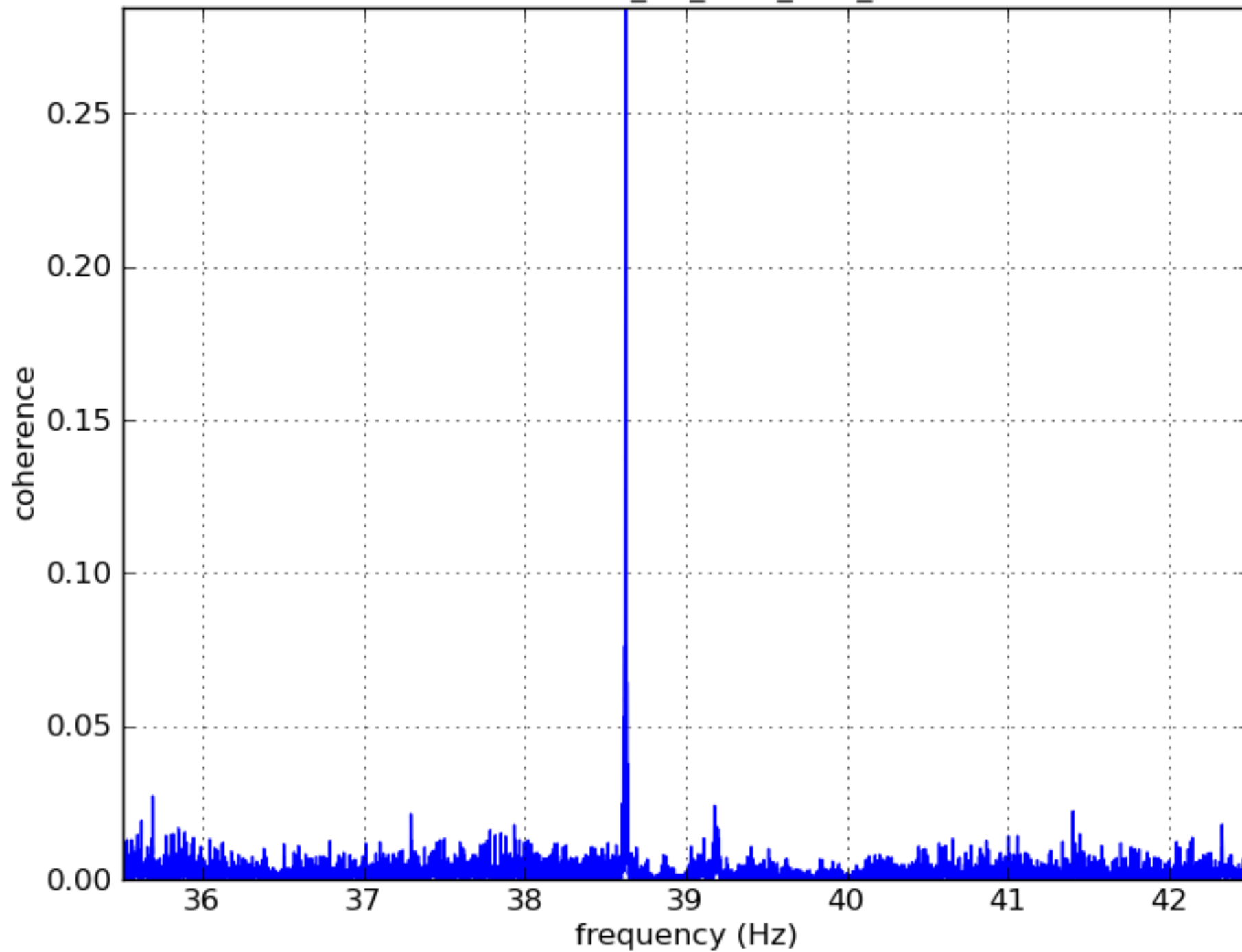
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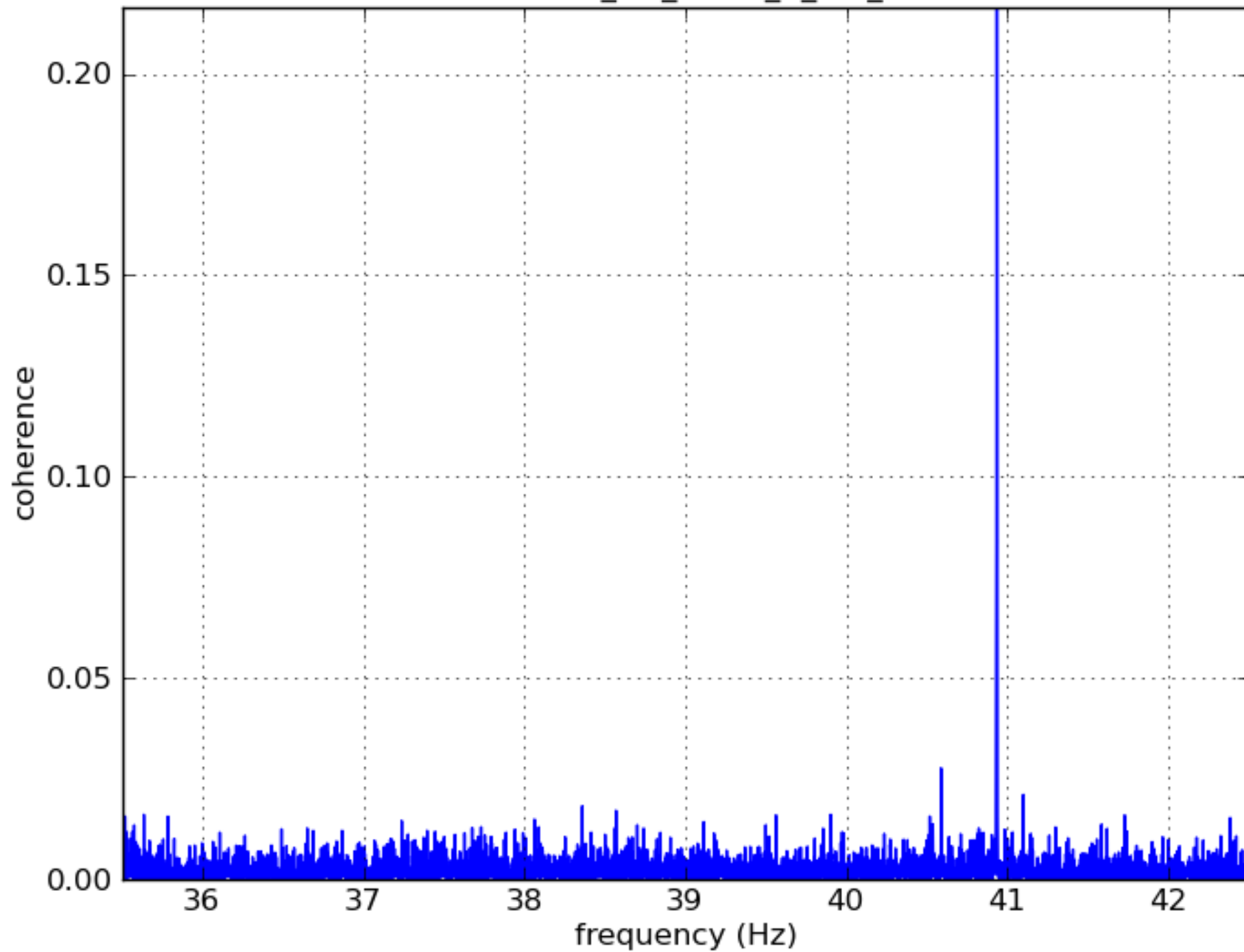
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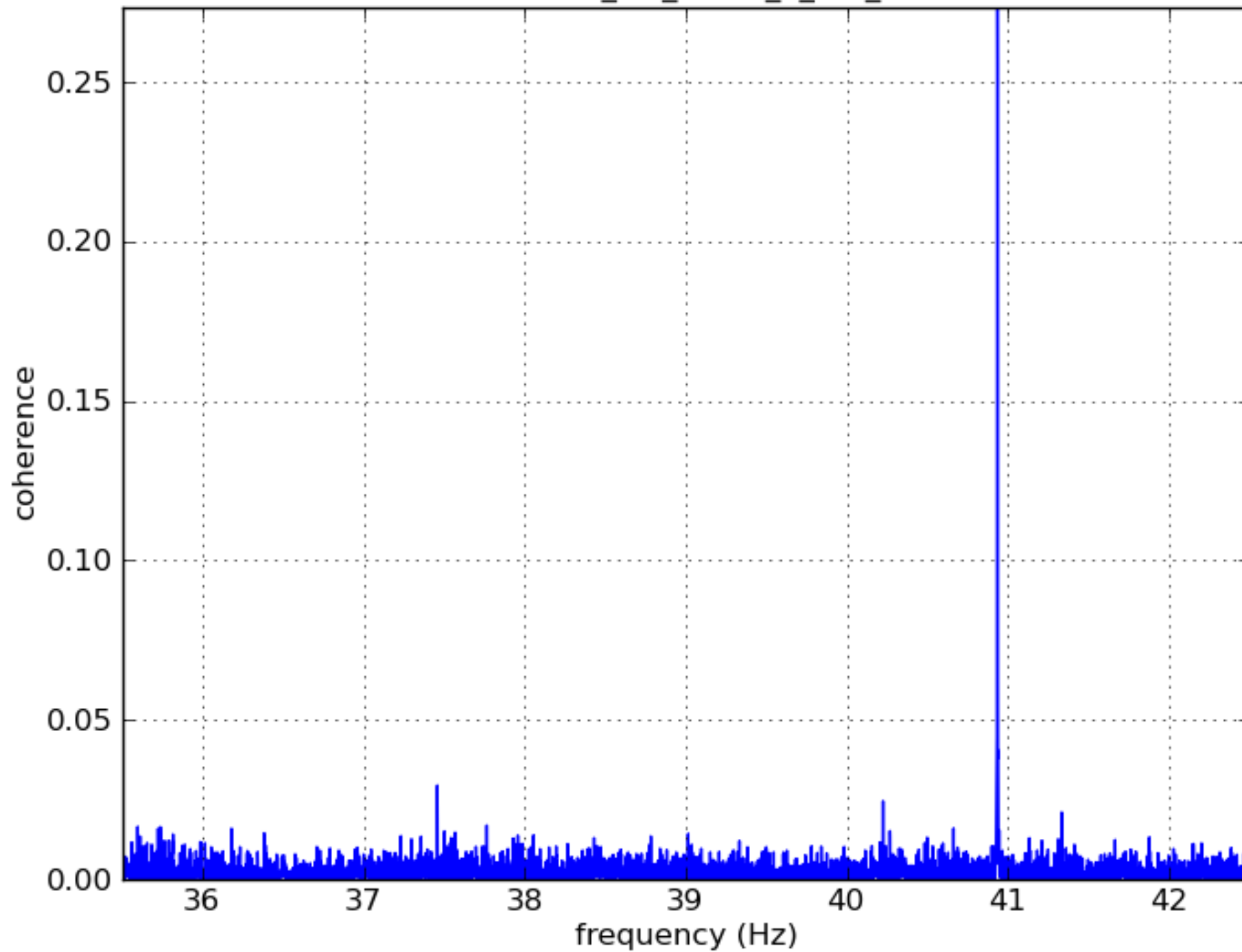
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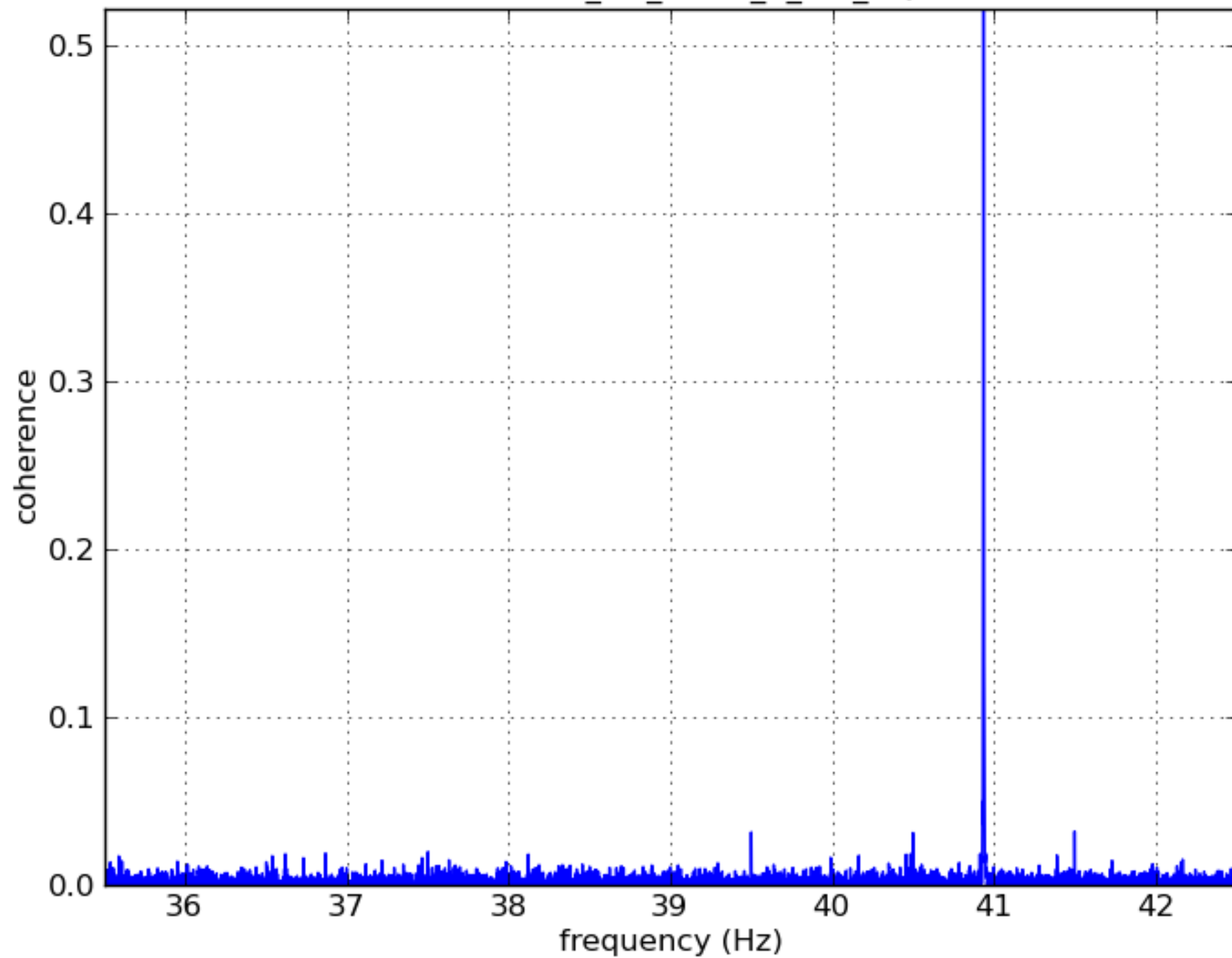
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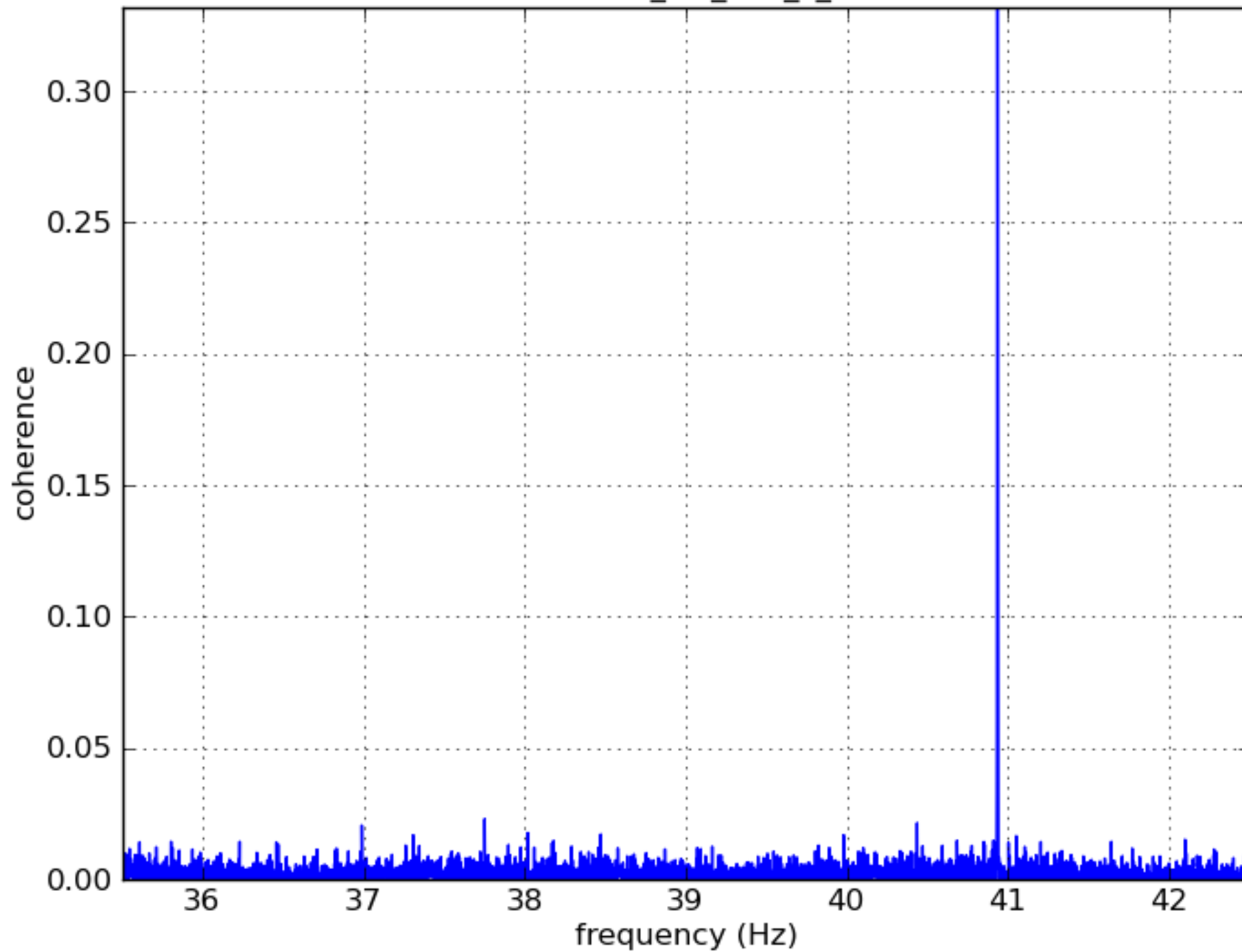
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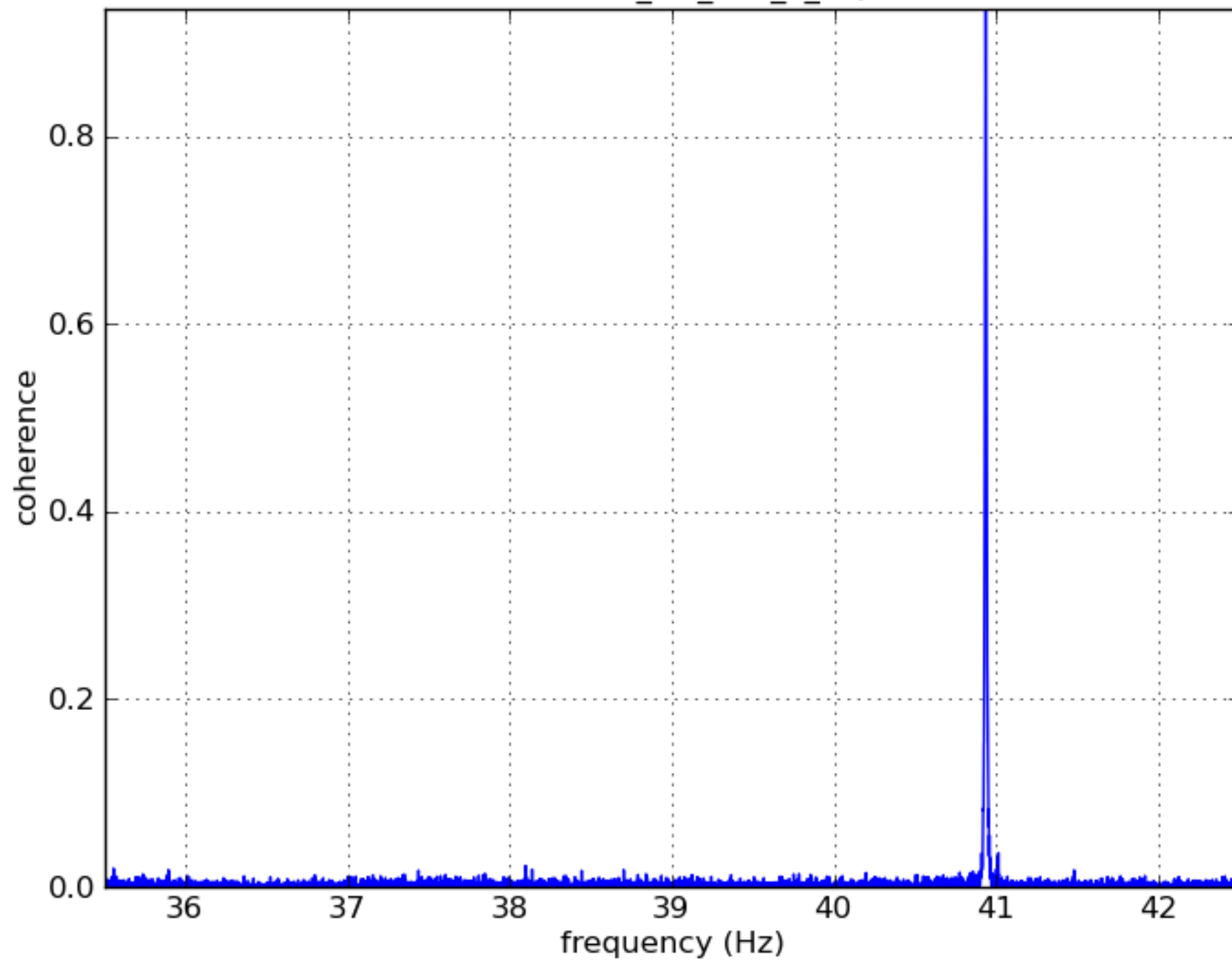
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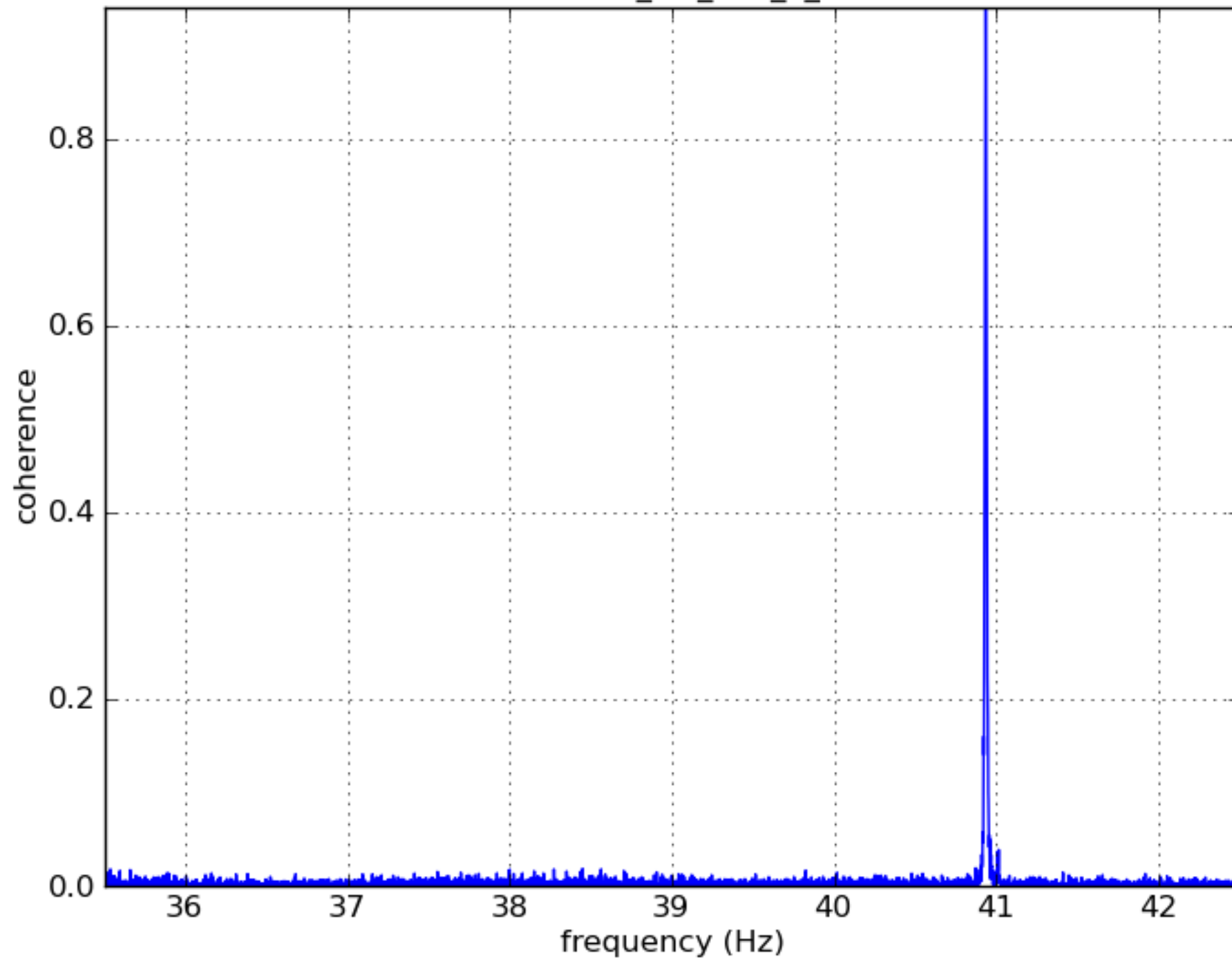
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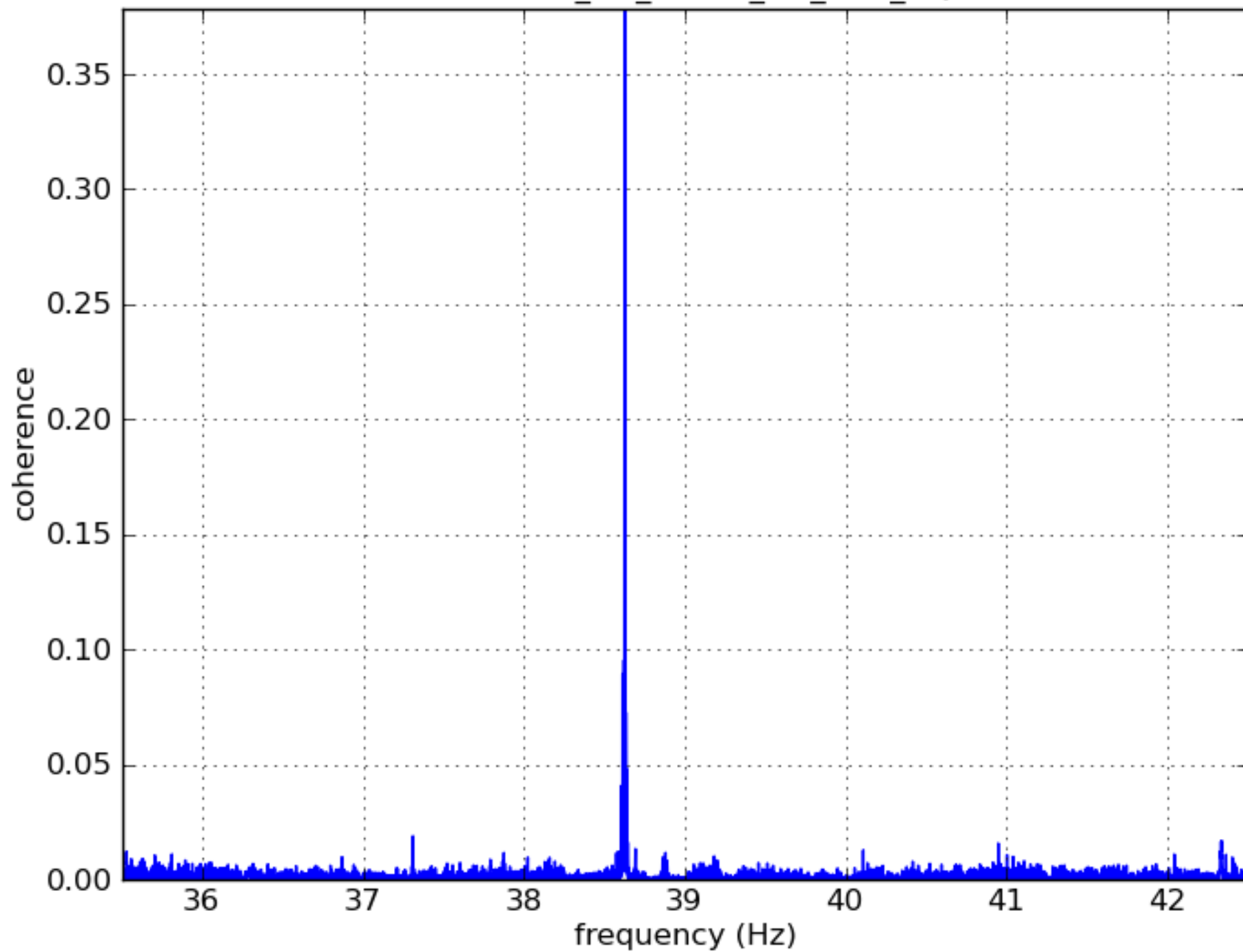
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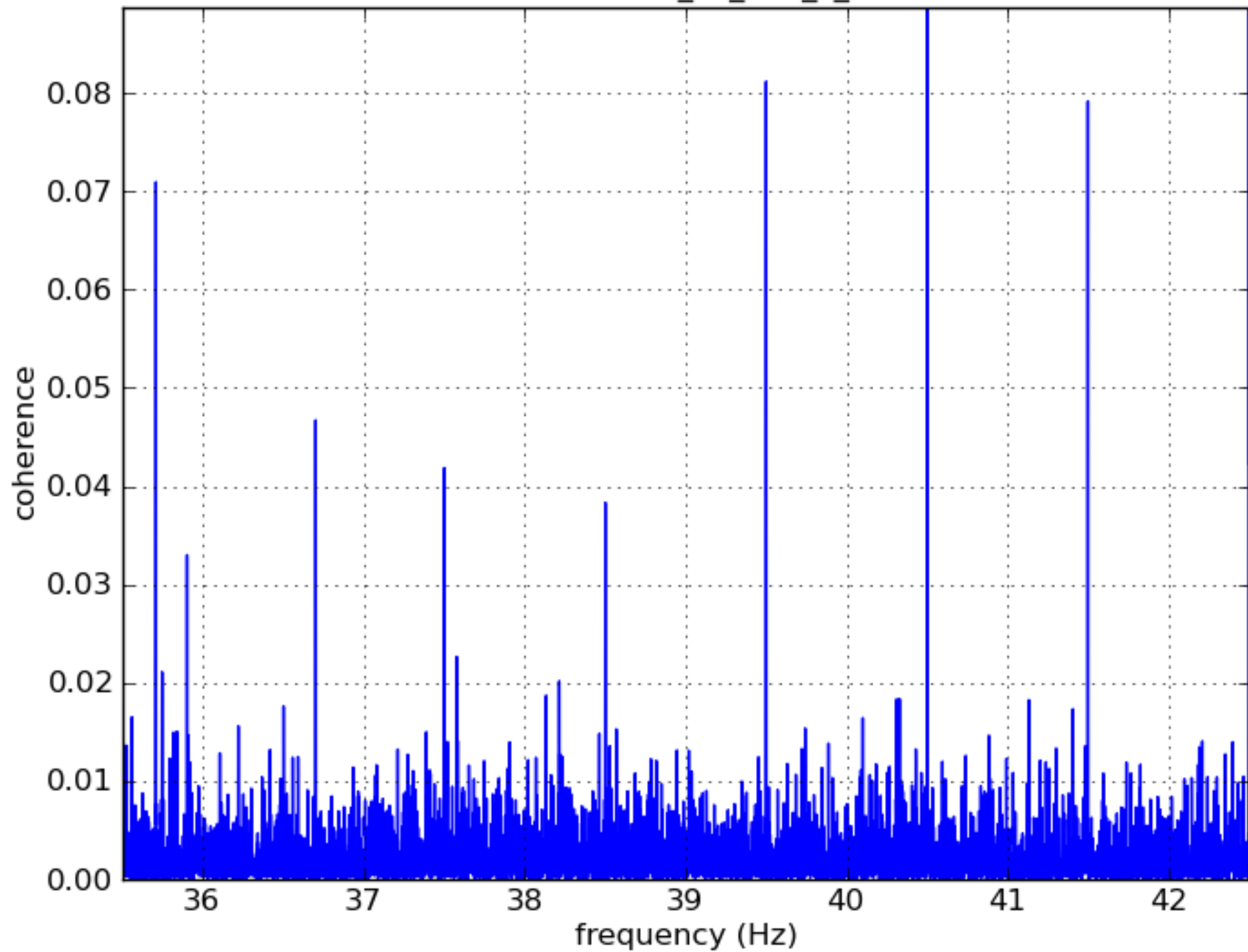
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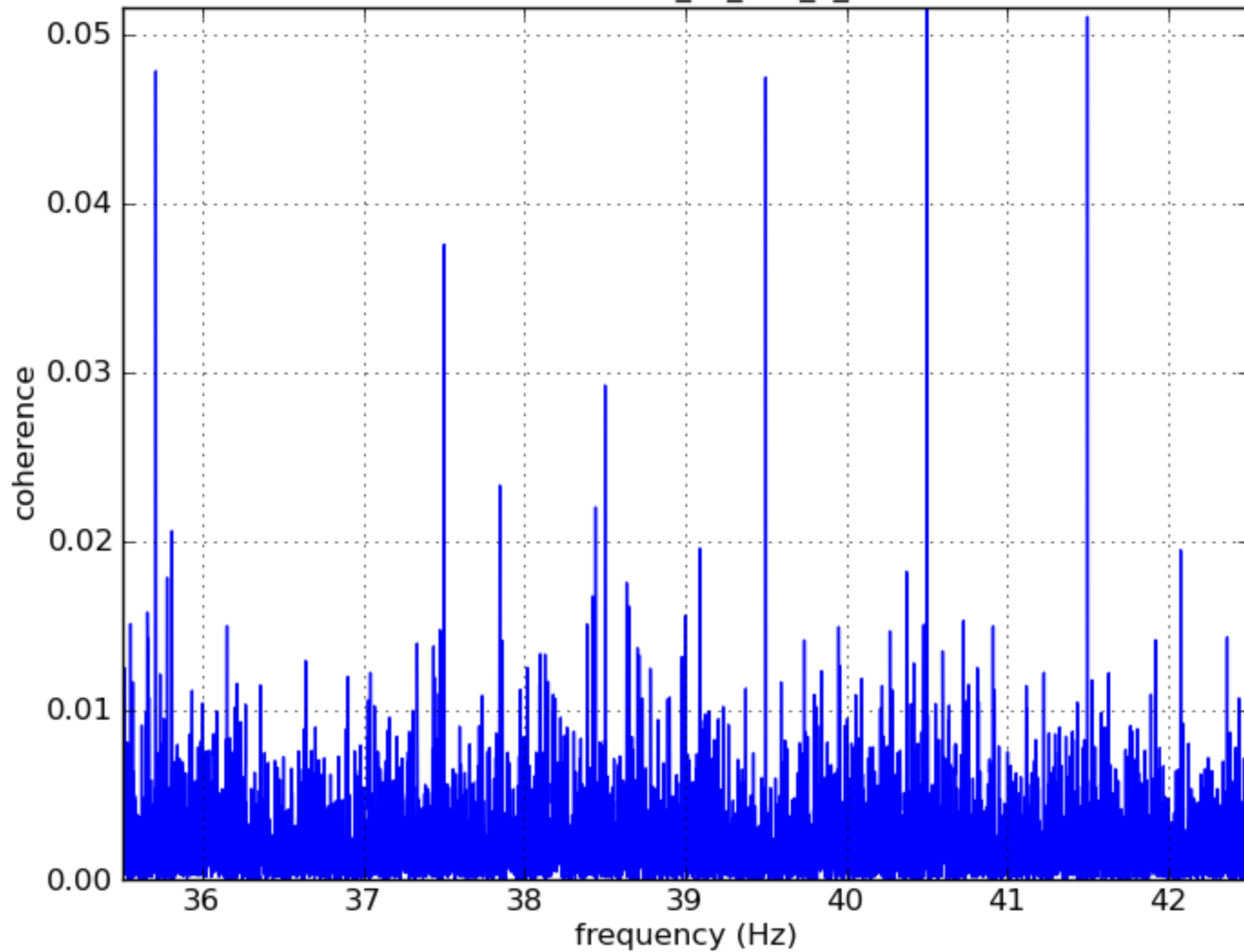
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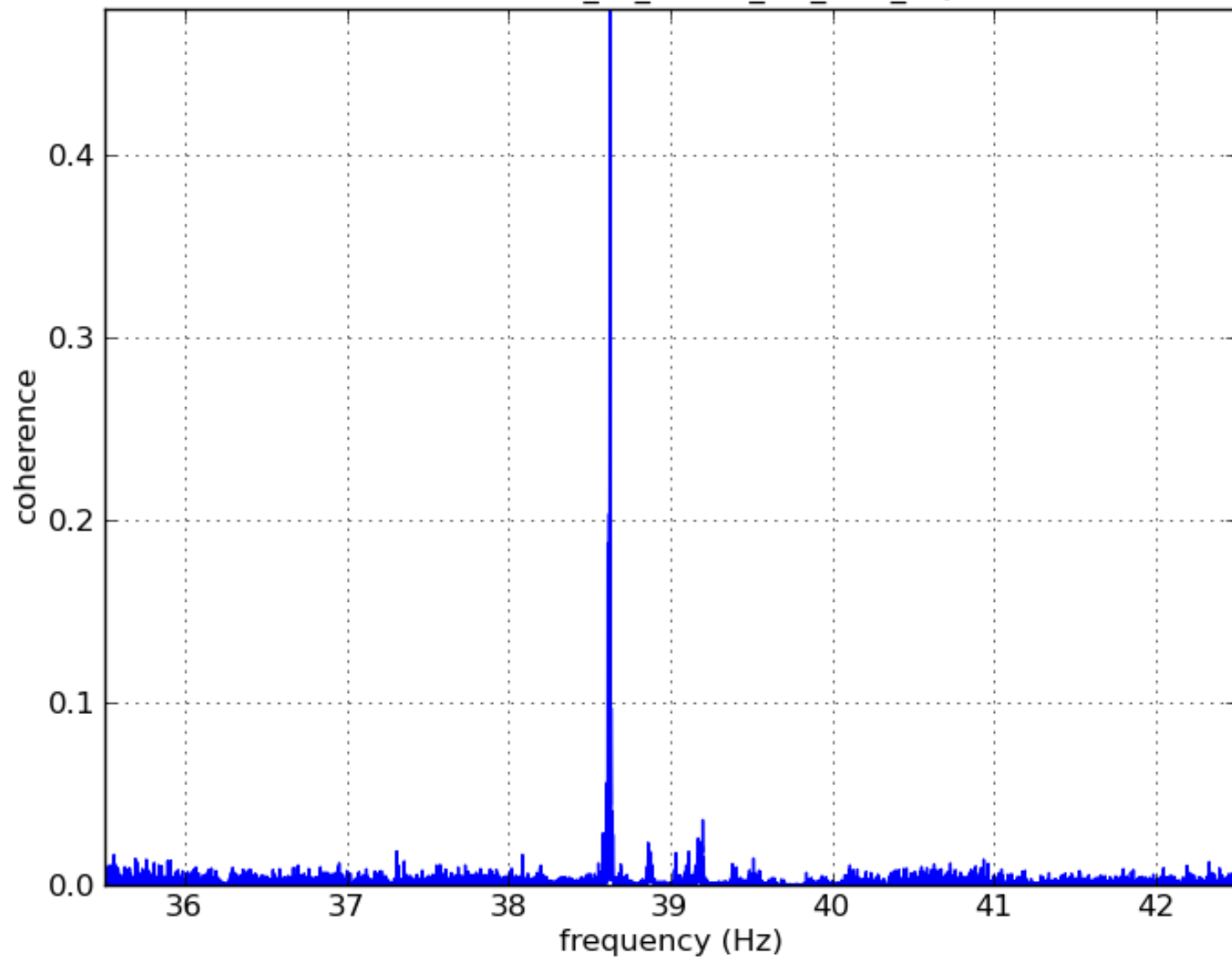
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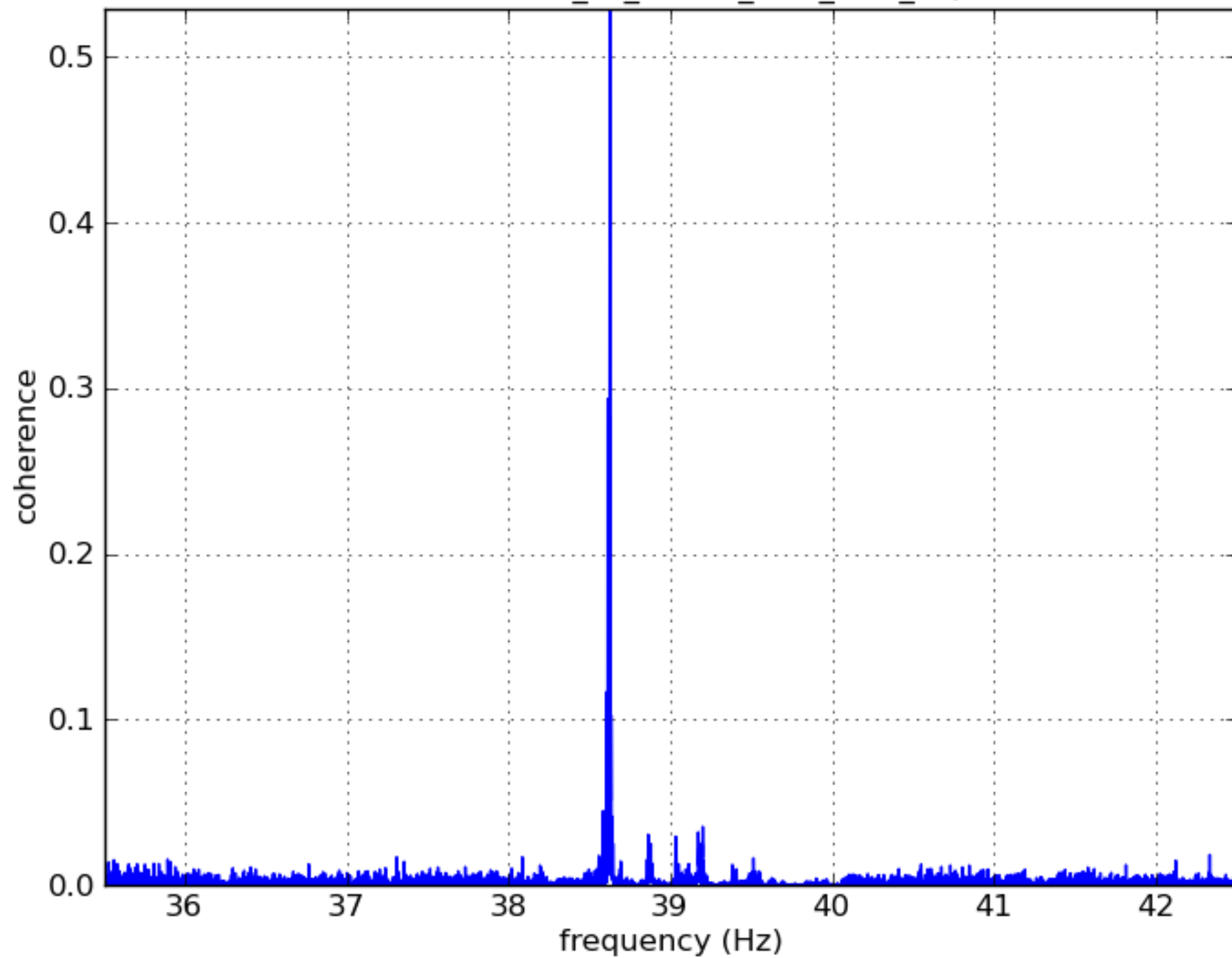
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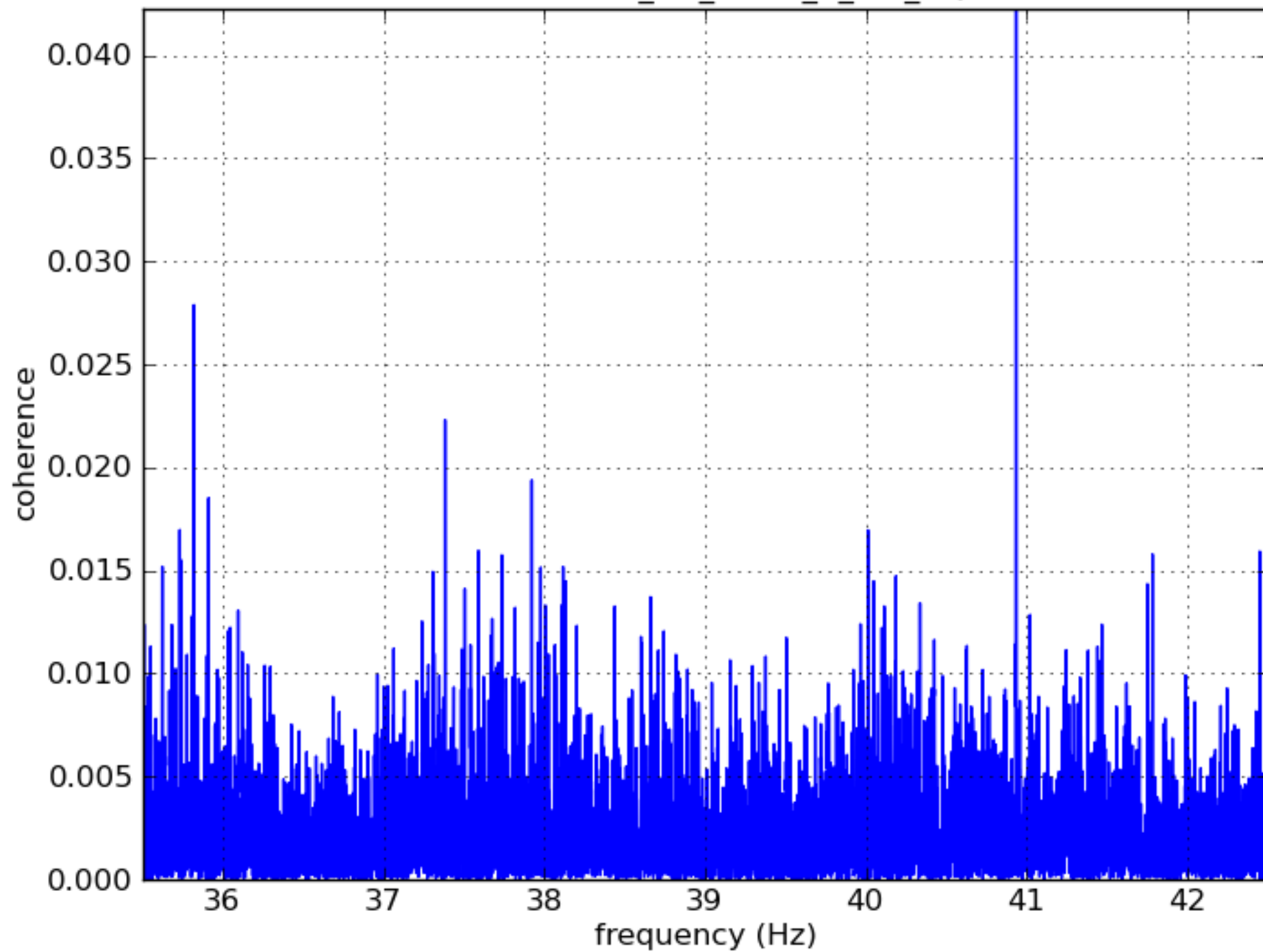
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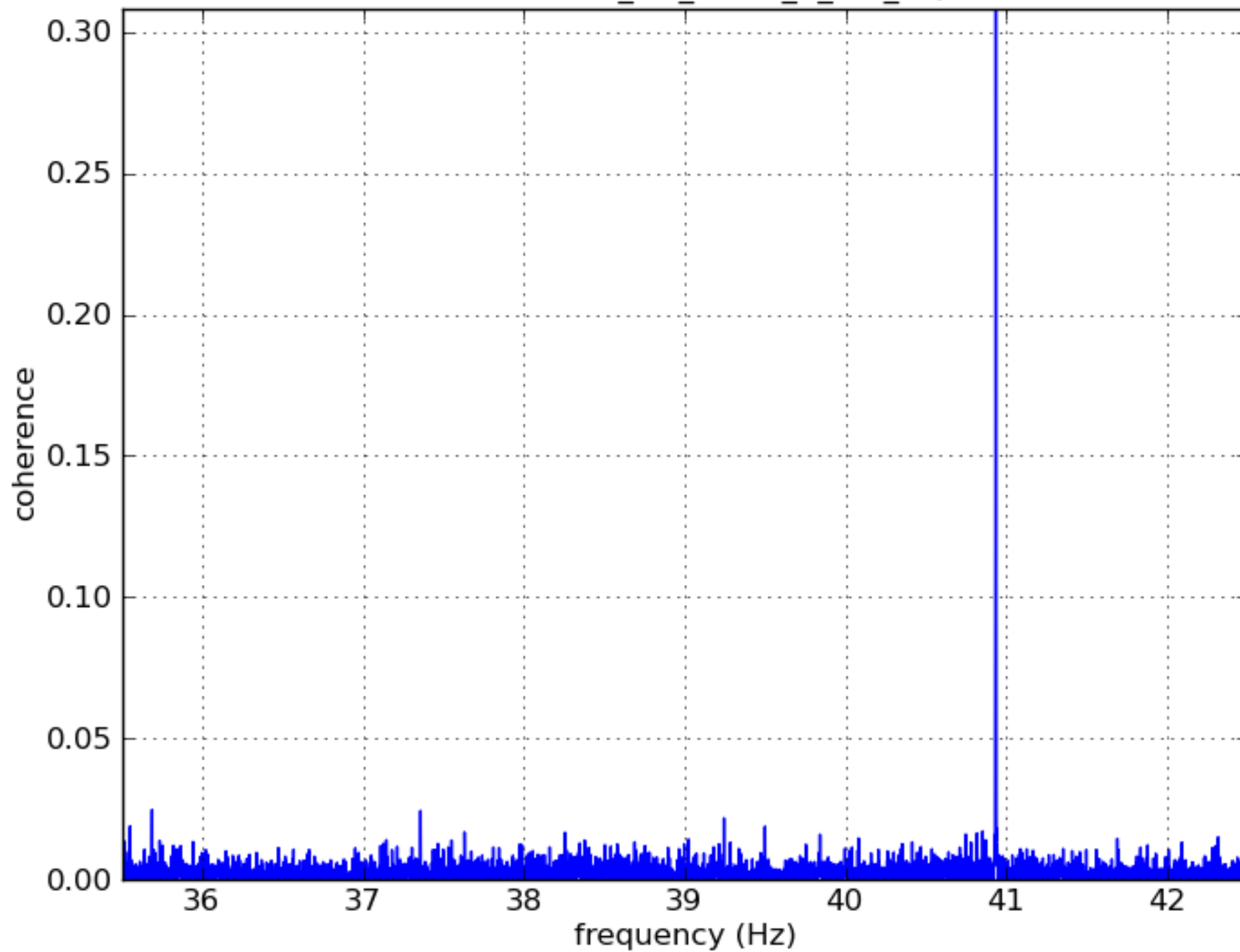
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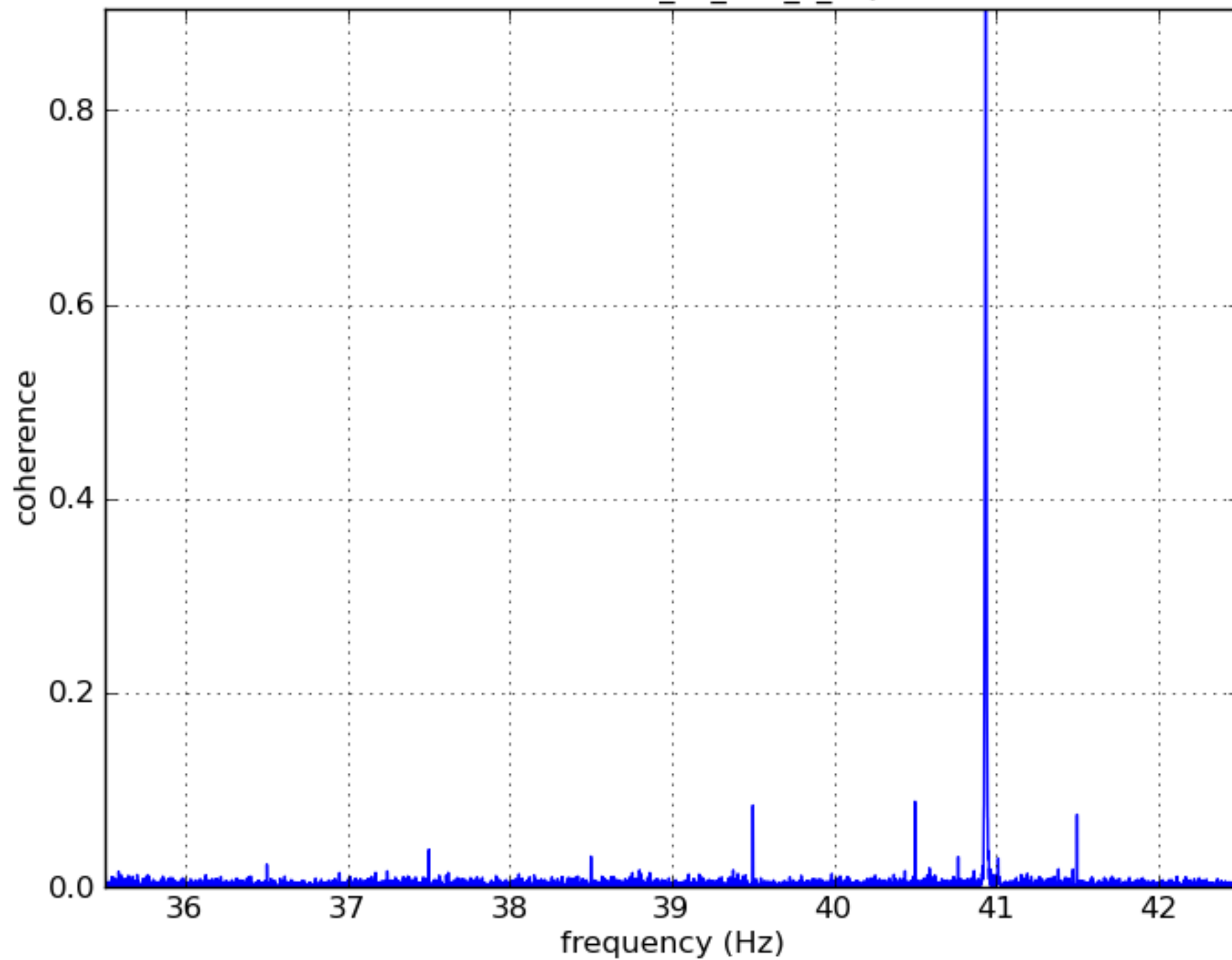
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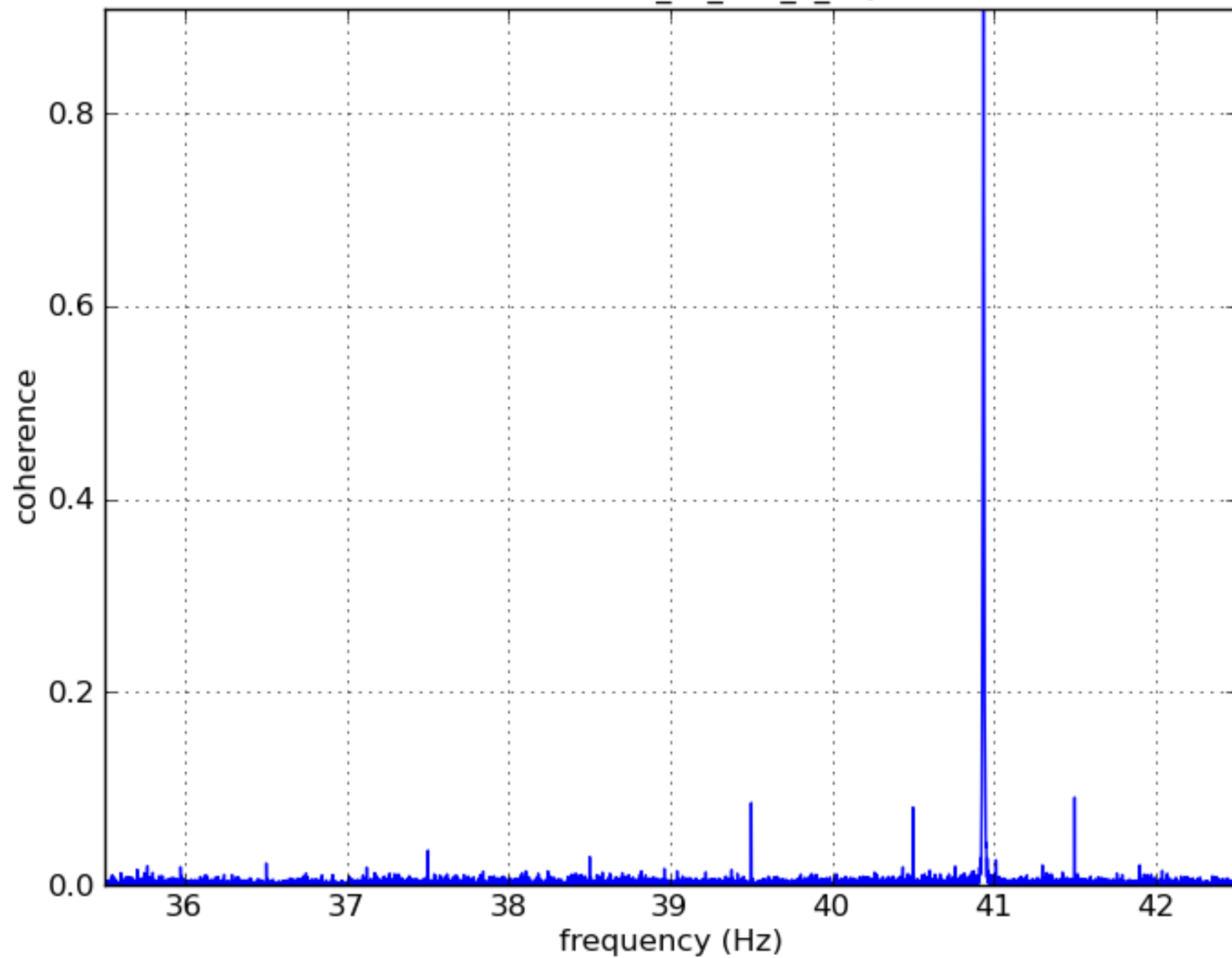
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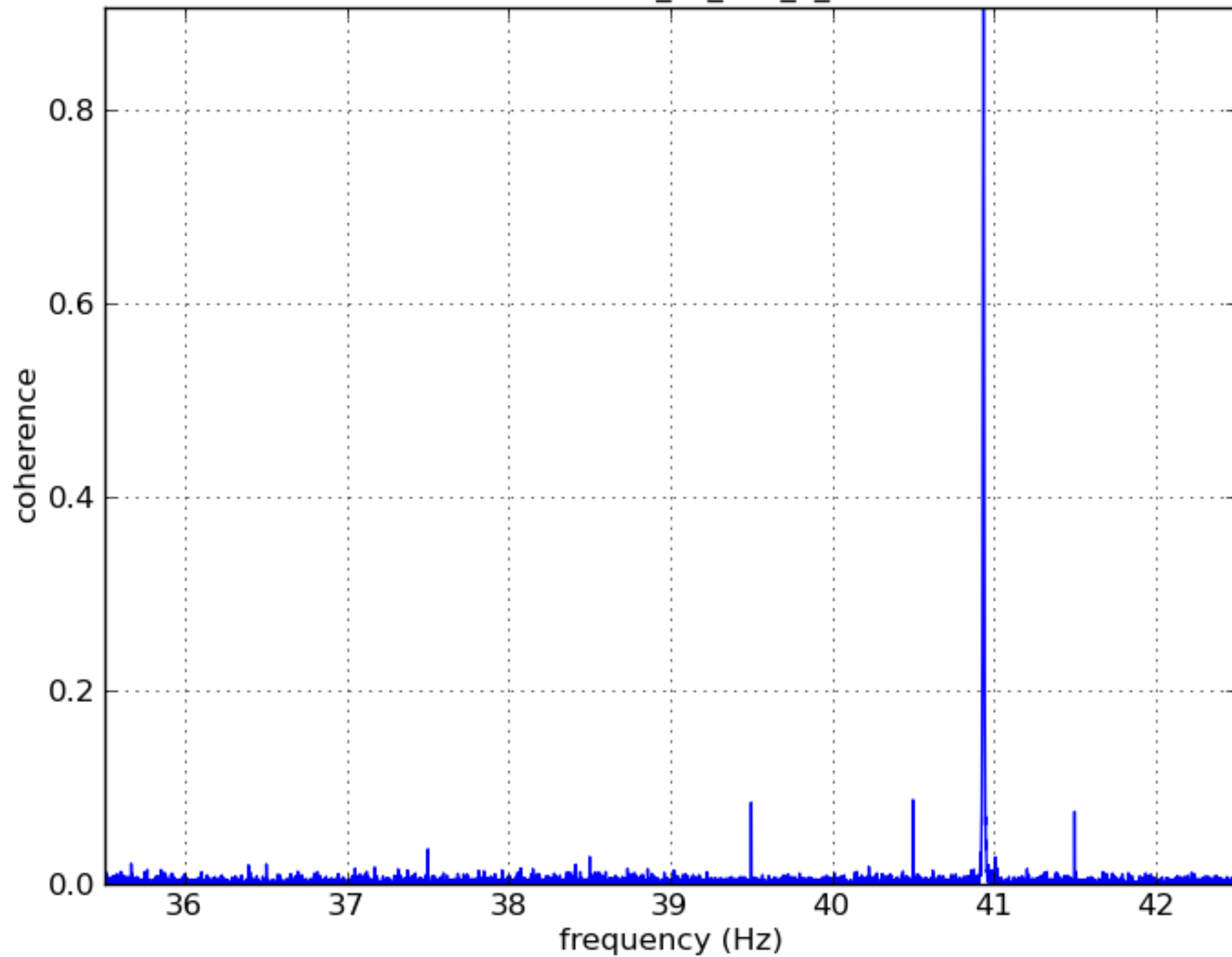
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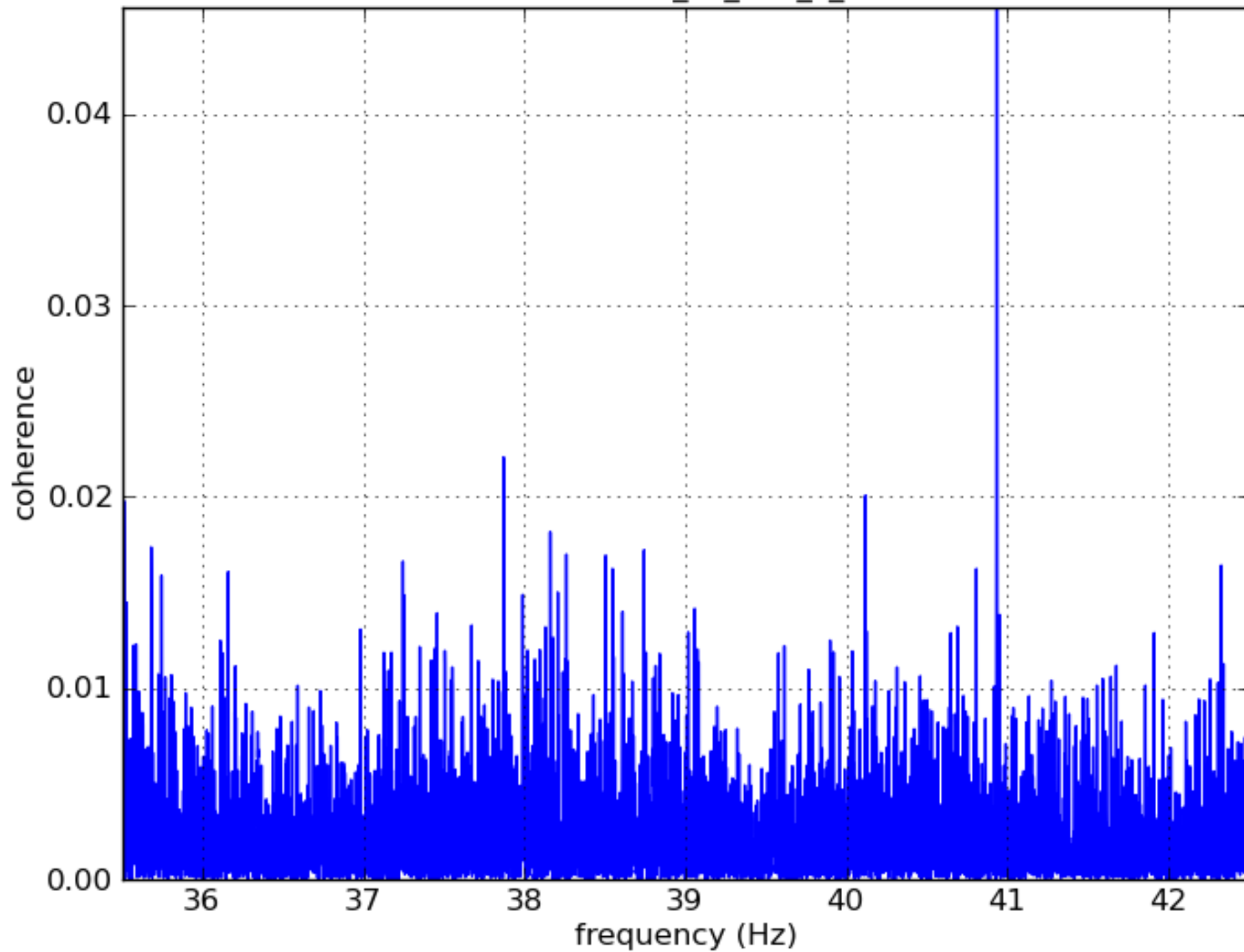
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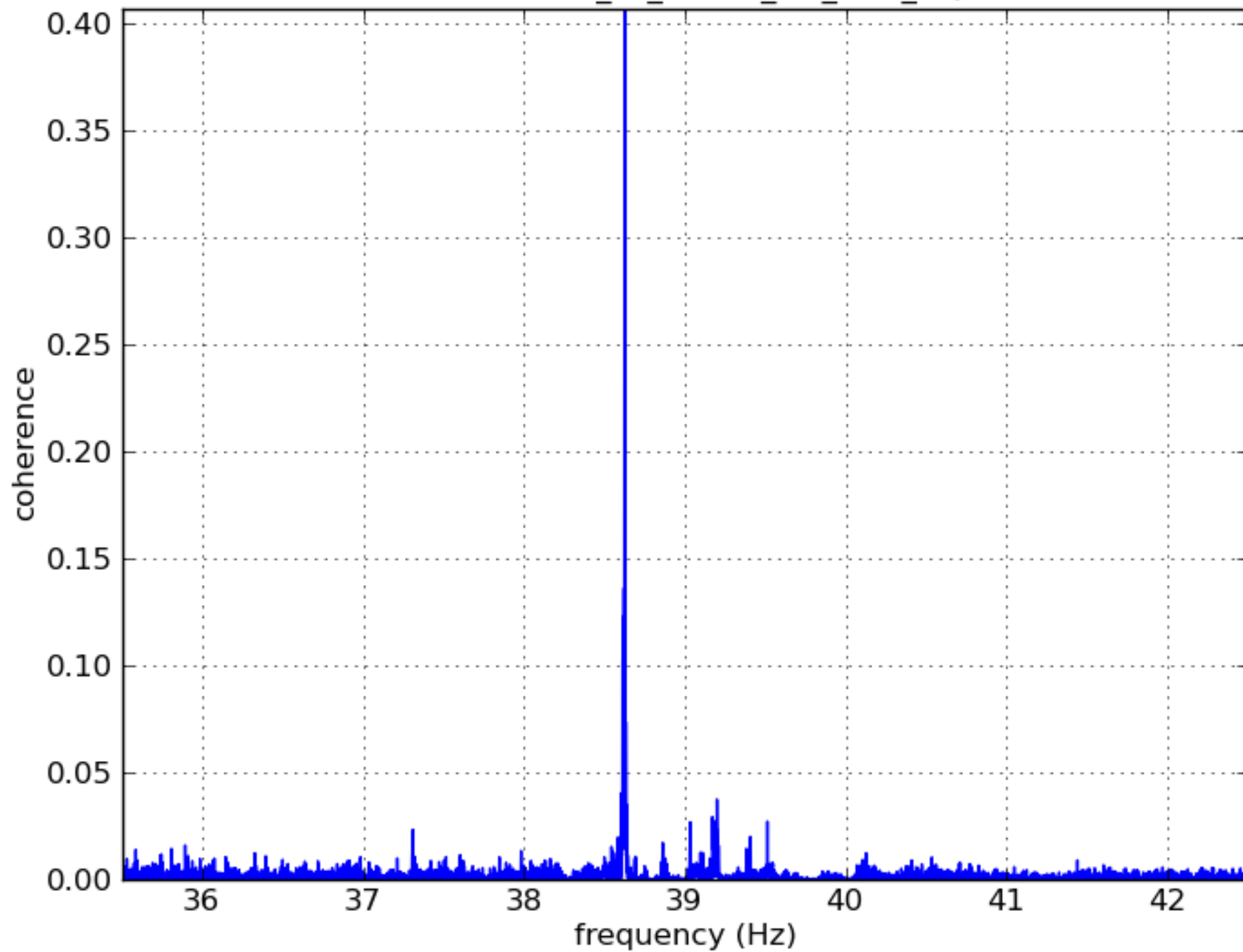
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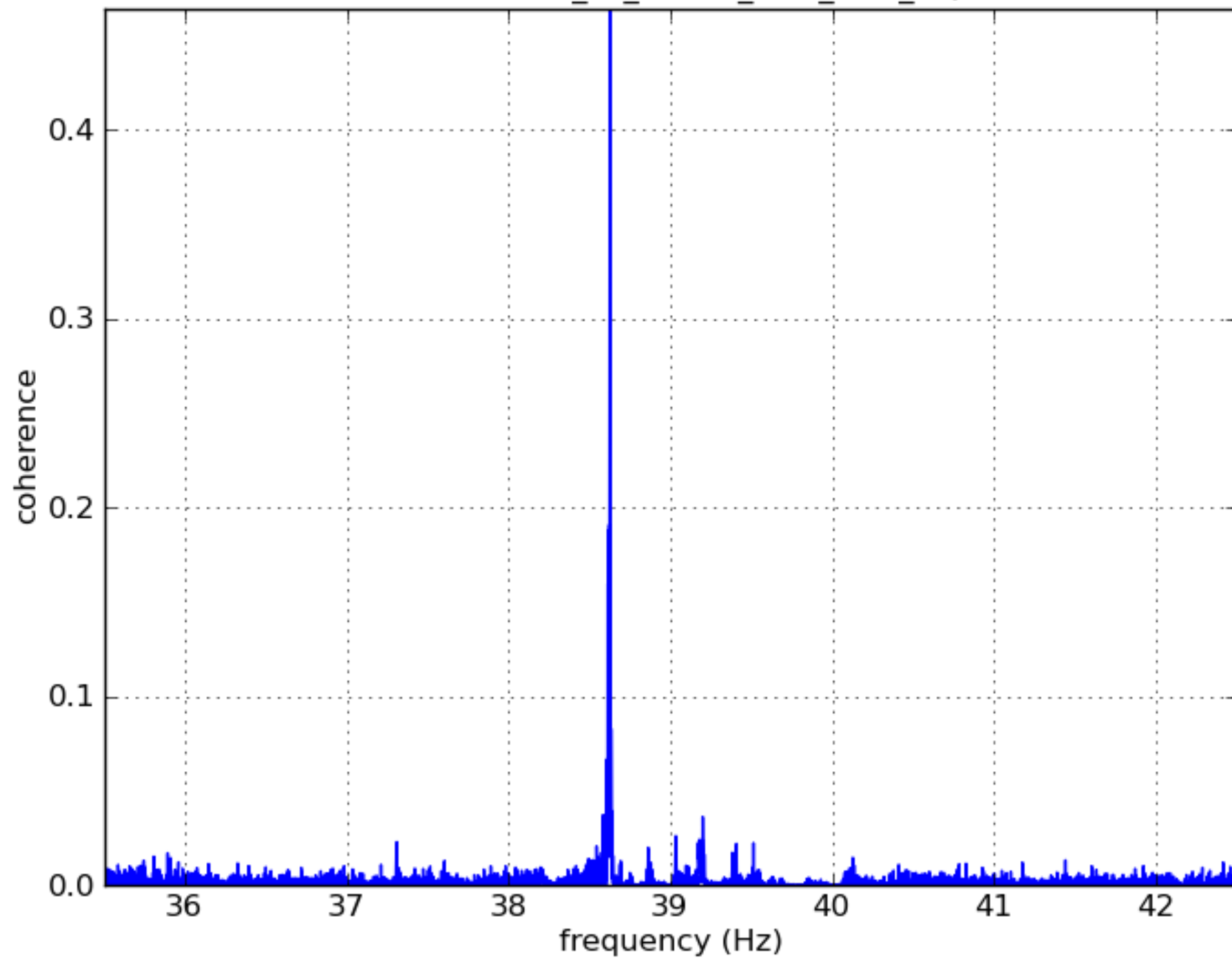
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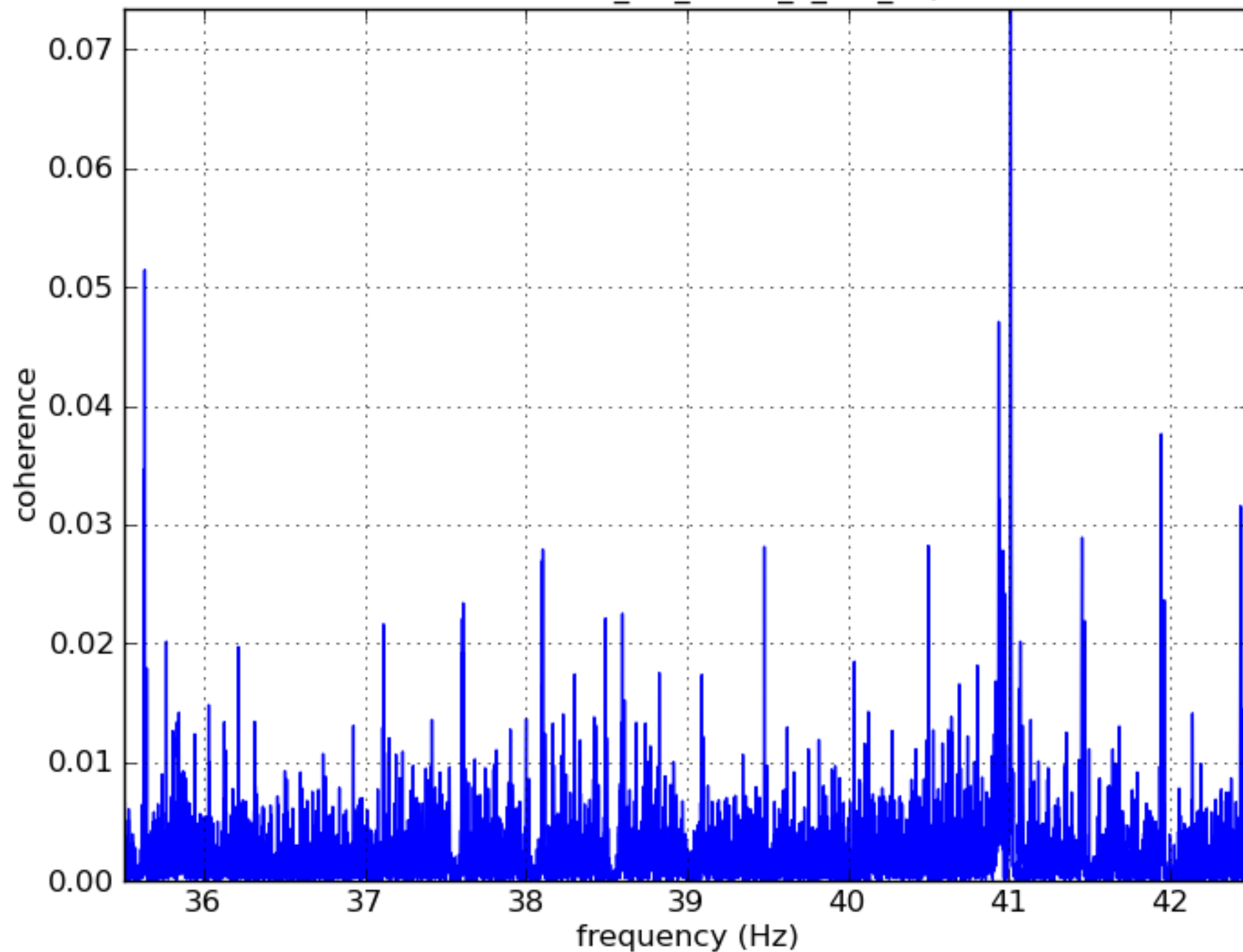
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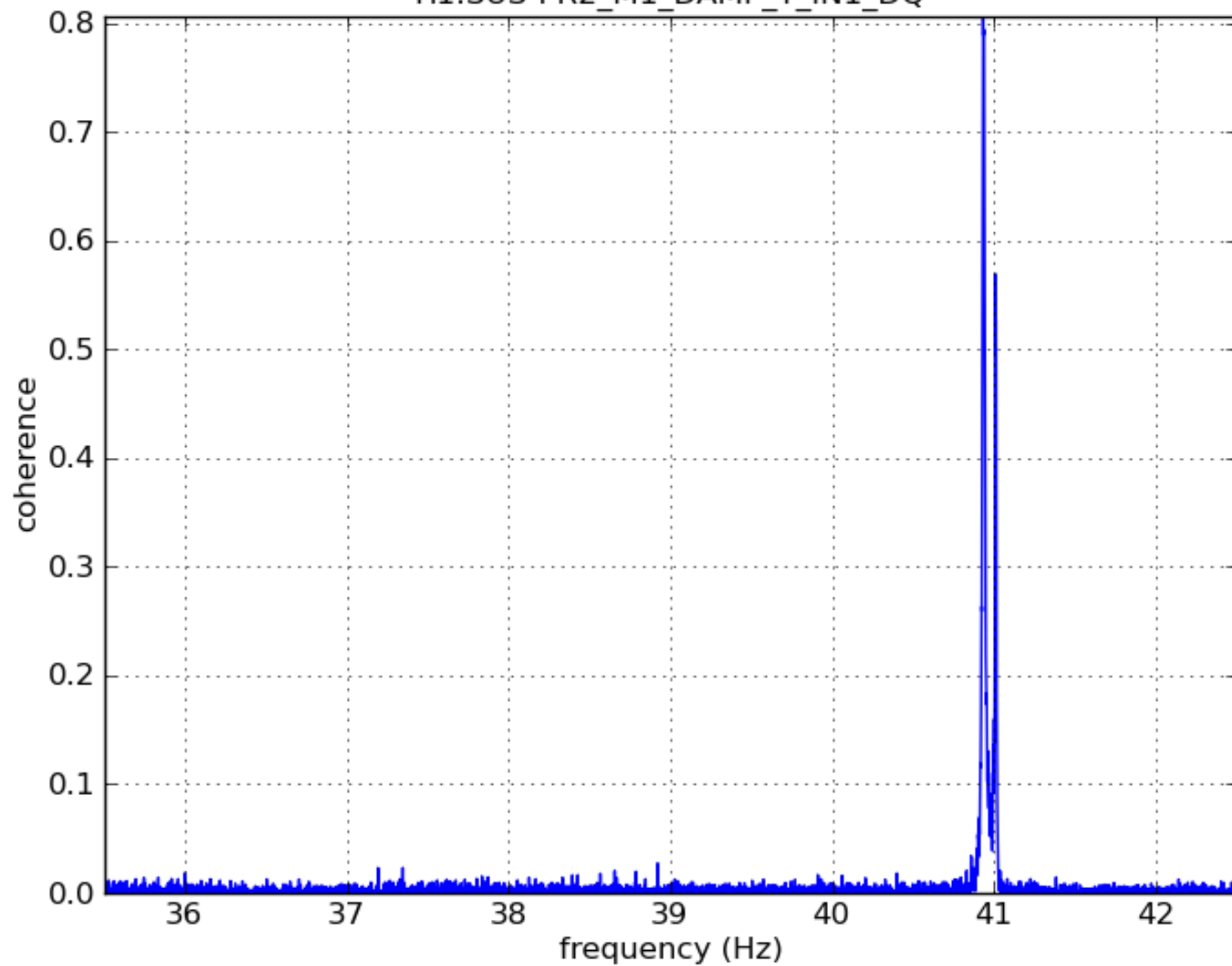
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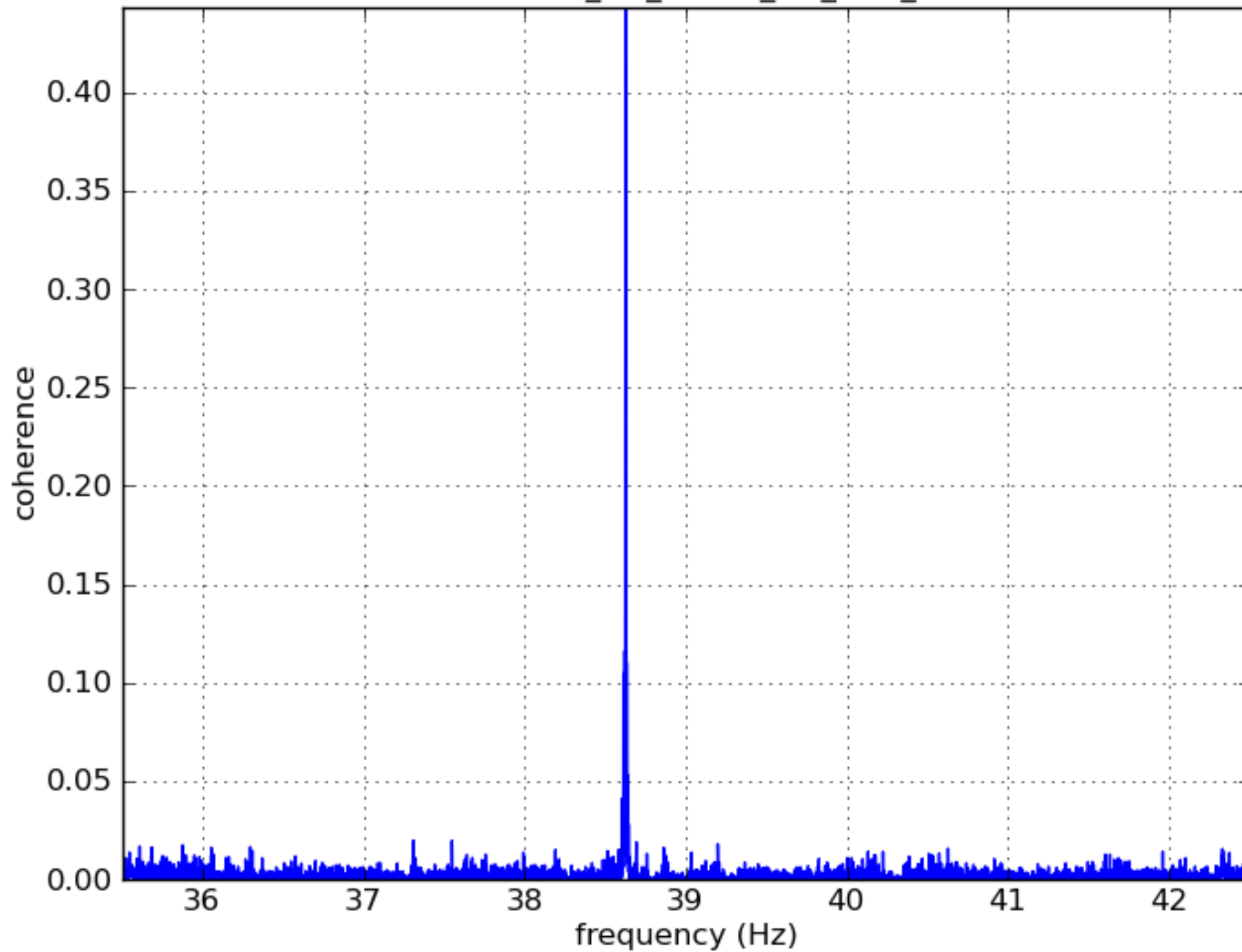
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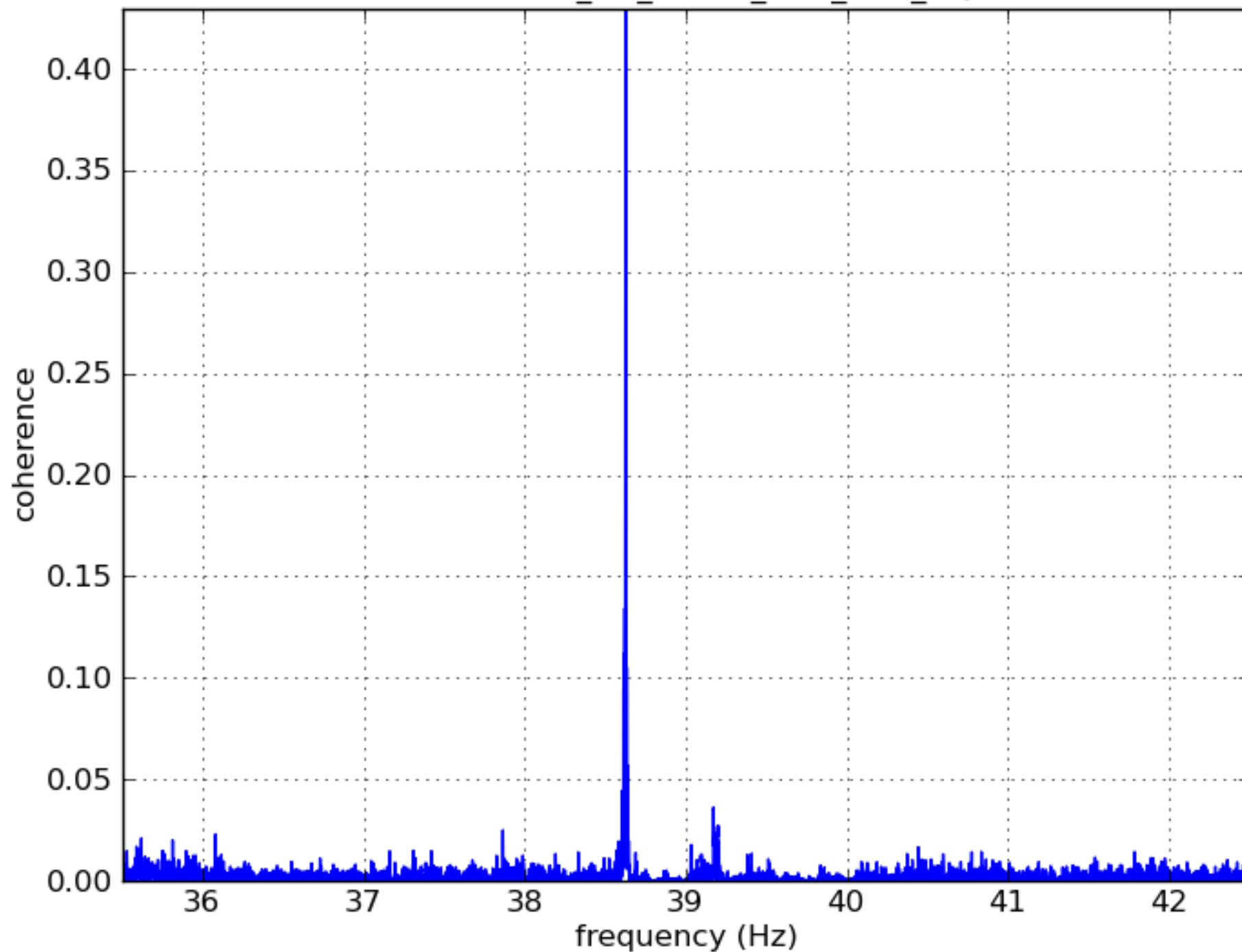
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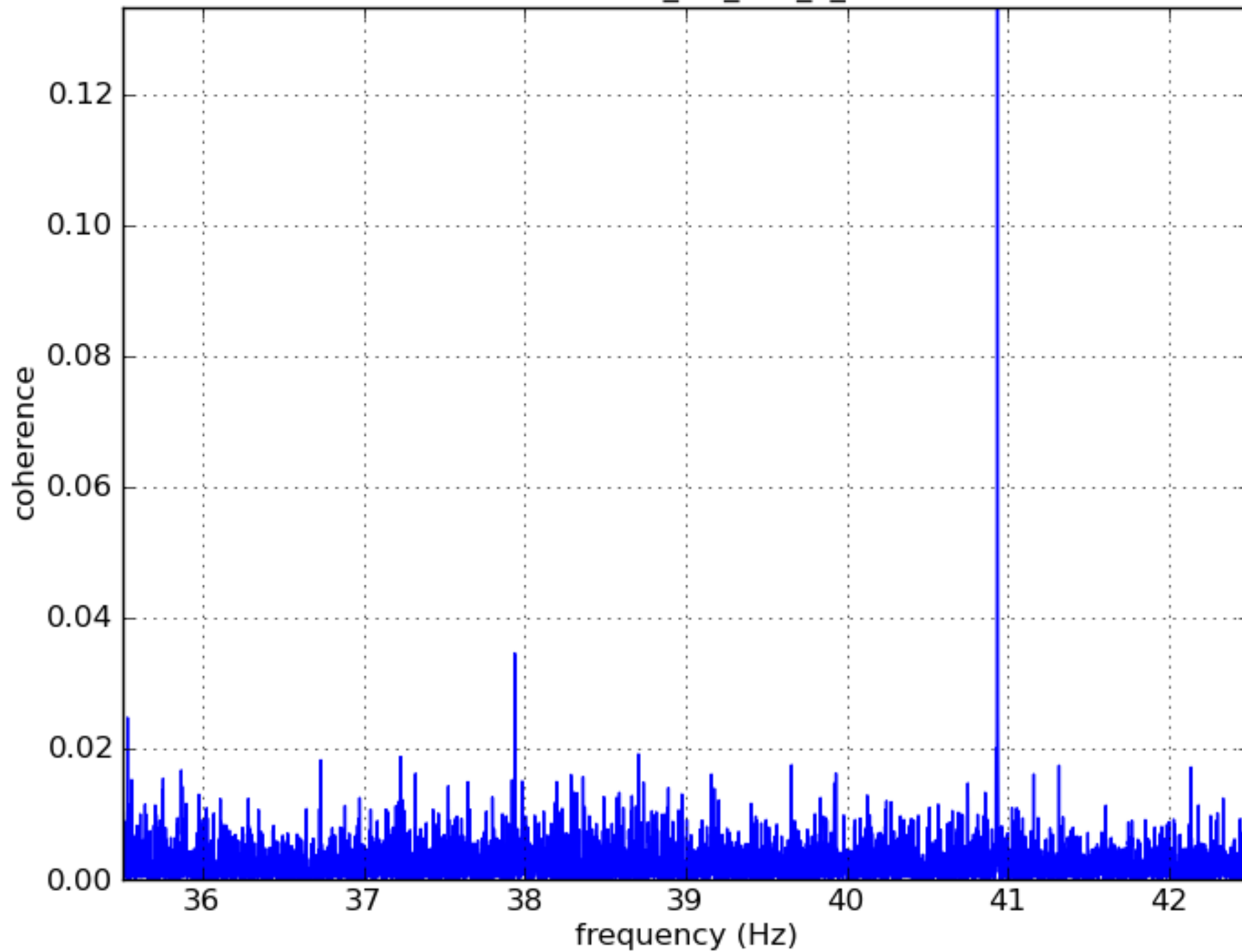
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H1:SUS-PR3_M3_OPLEV_YAW_OUT_DQ



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H1:SUS-PRM_M3_WIT_Y_DQ

