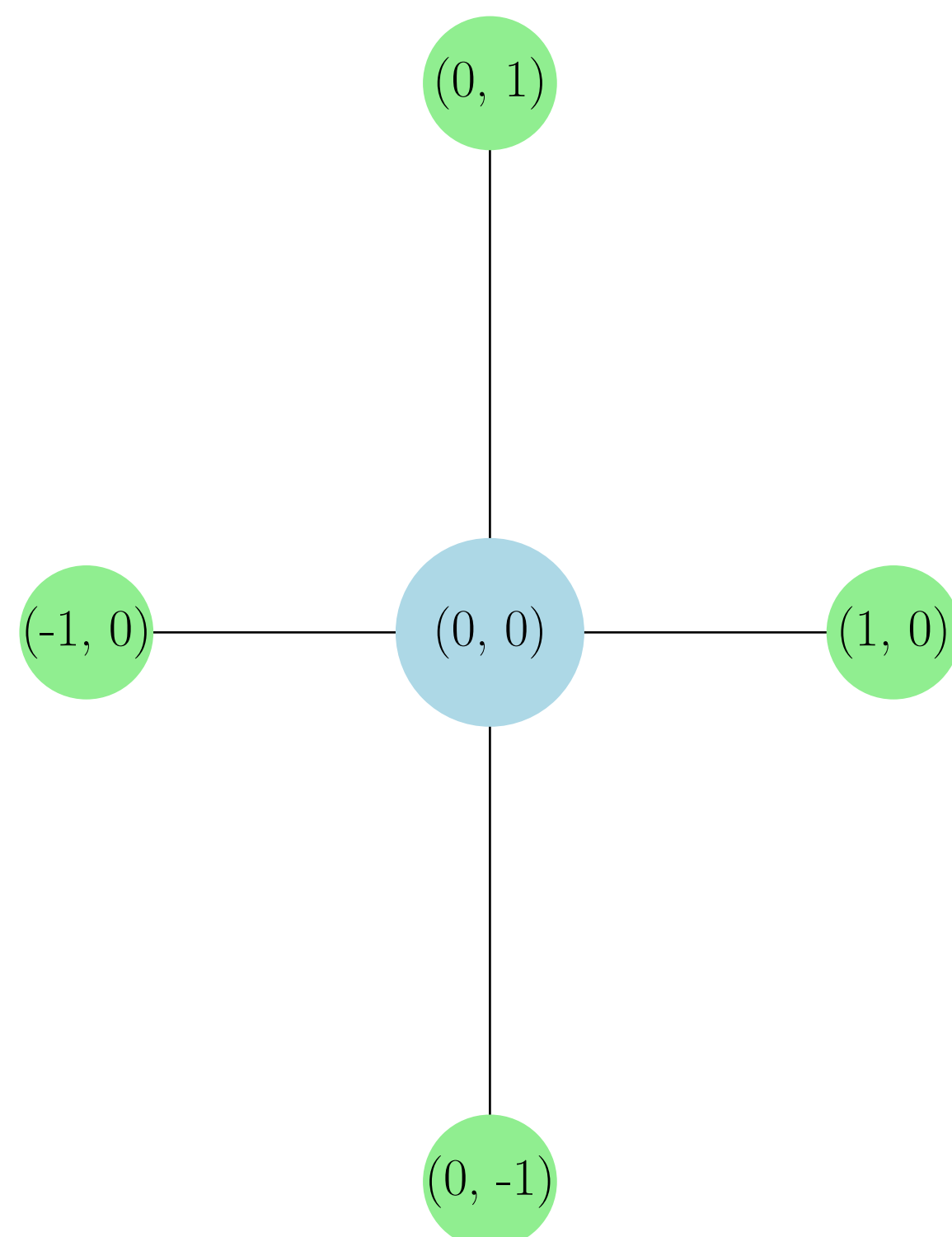
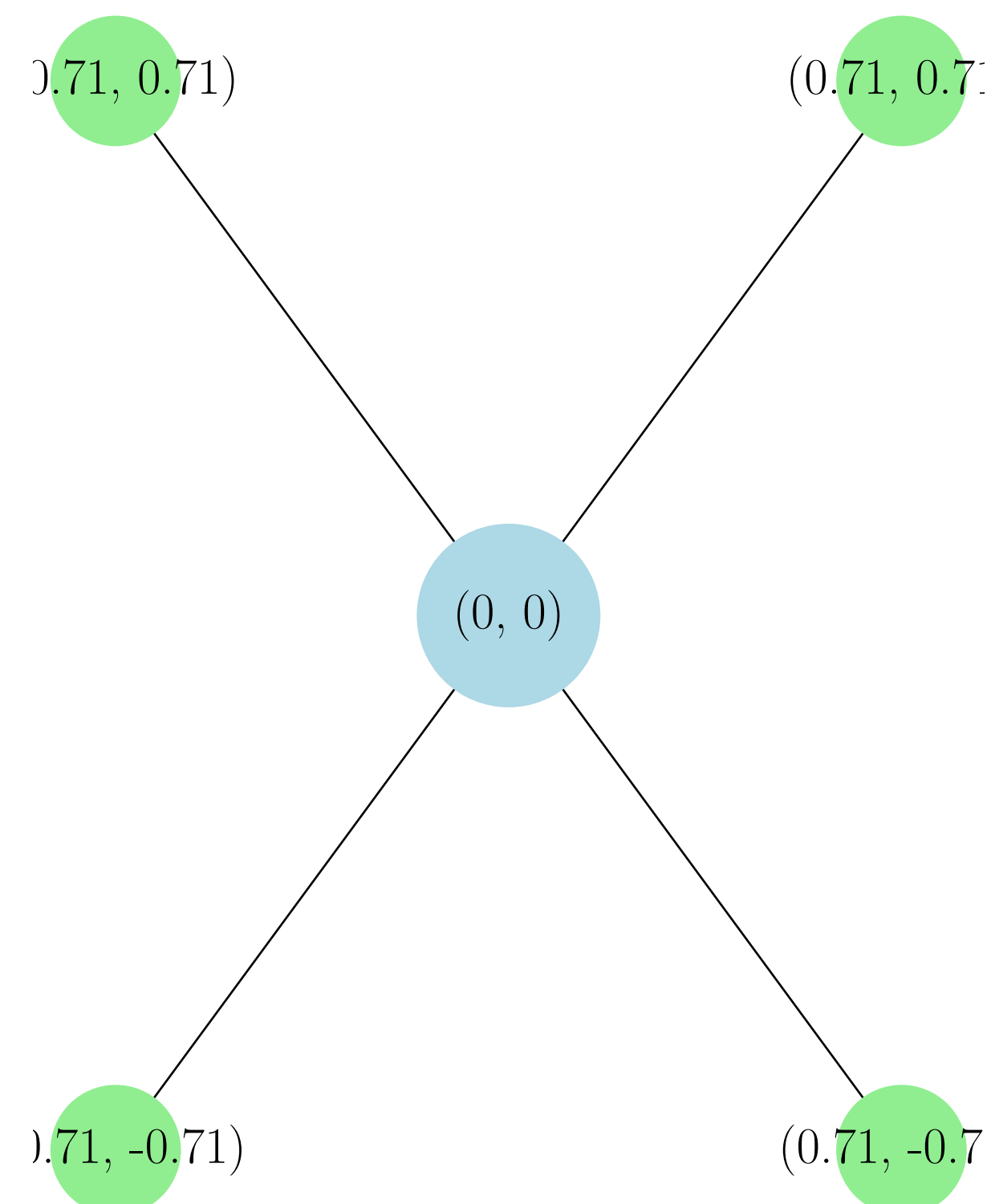
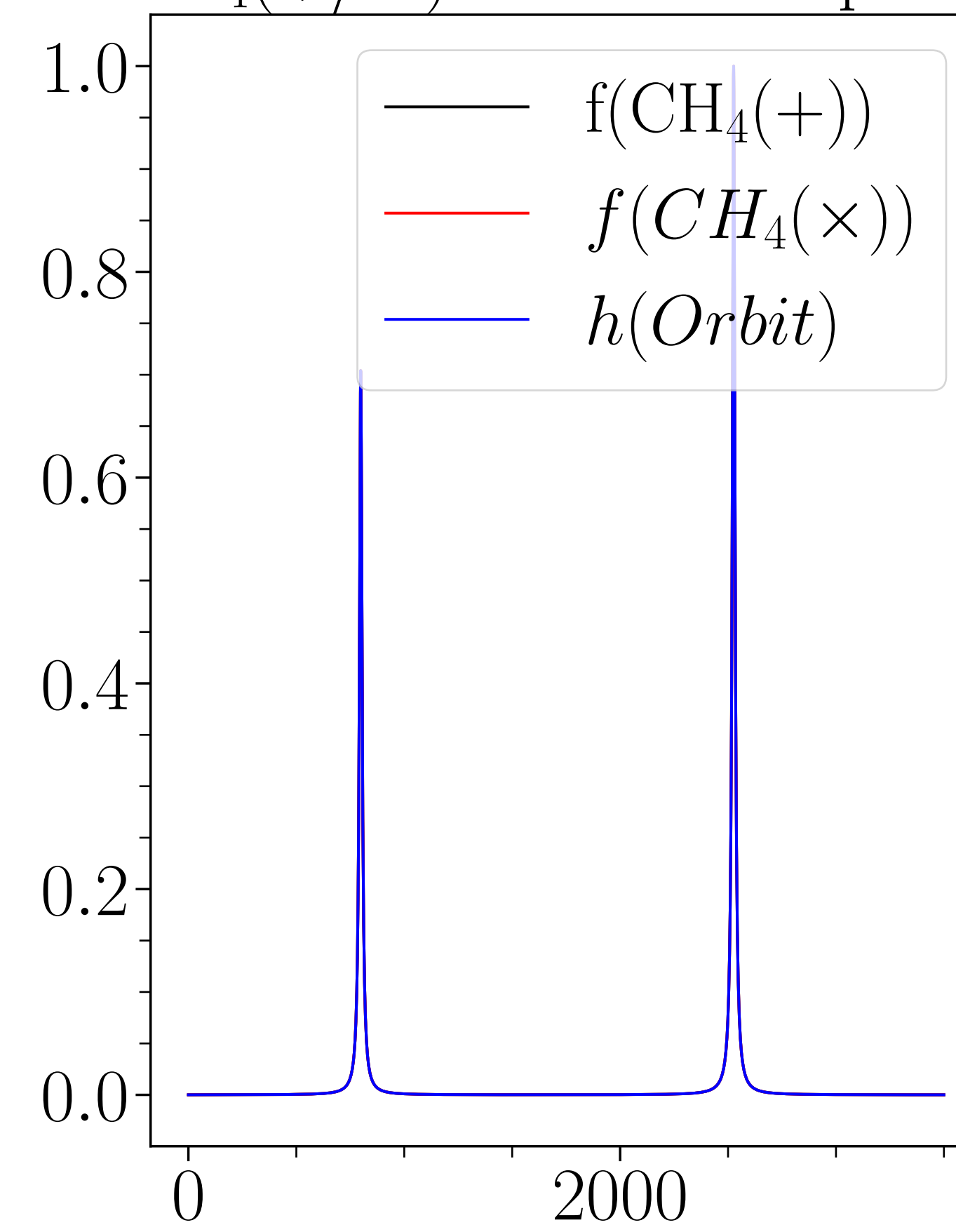
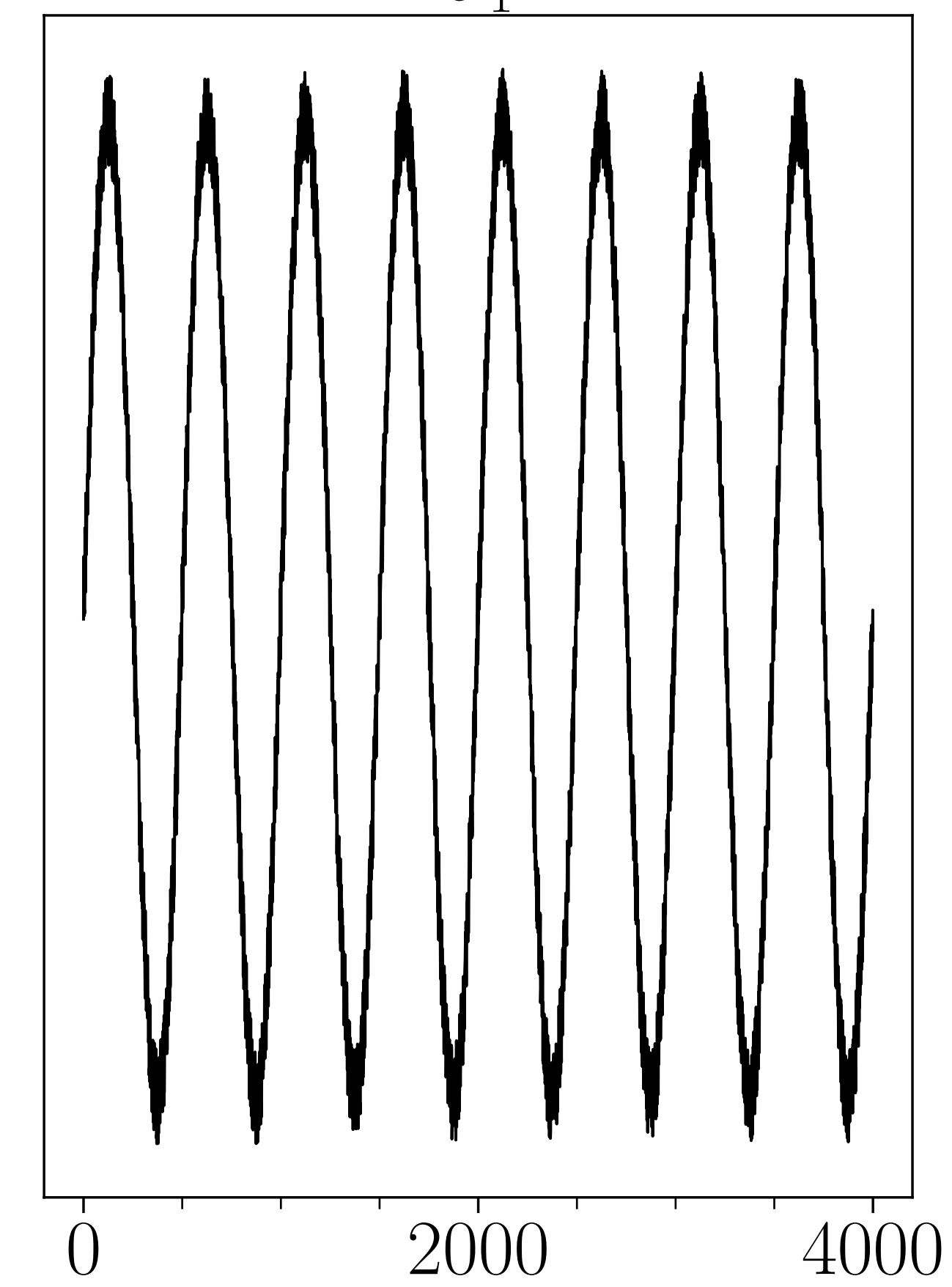
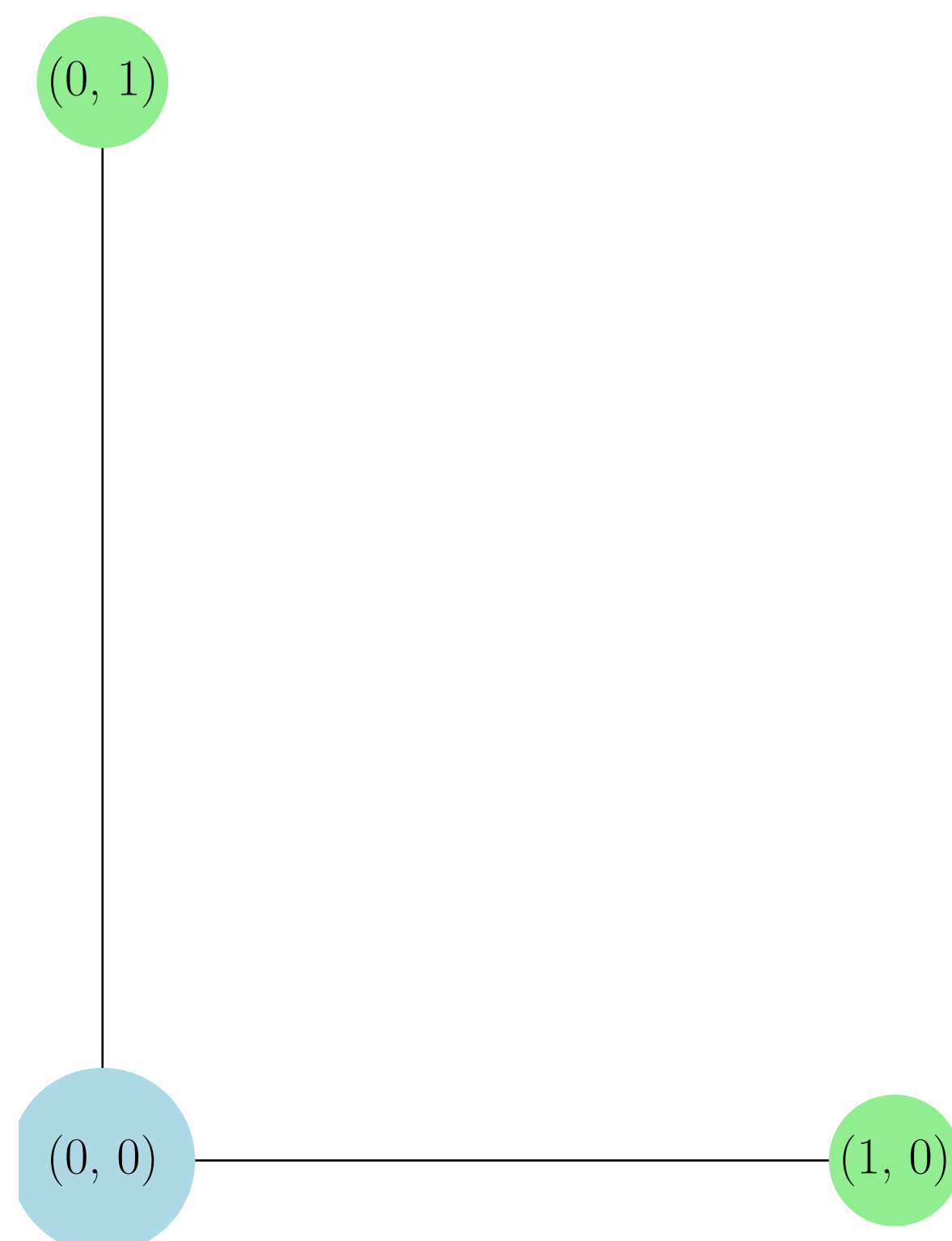
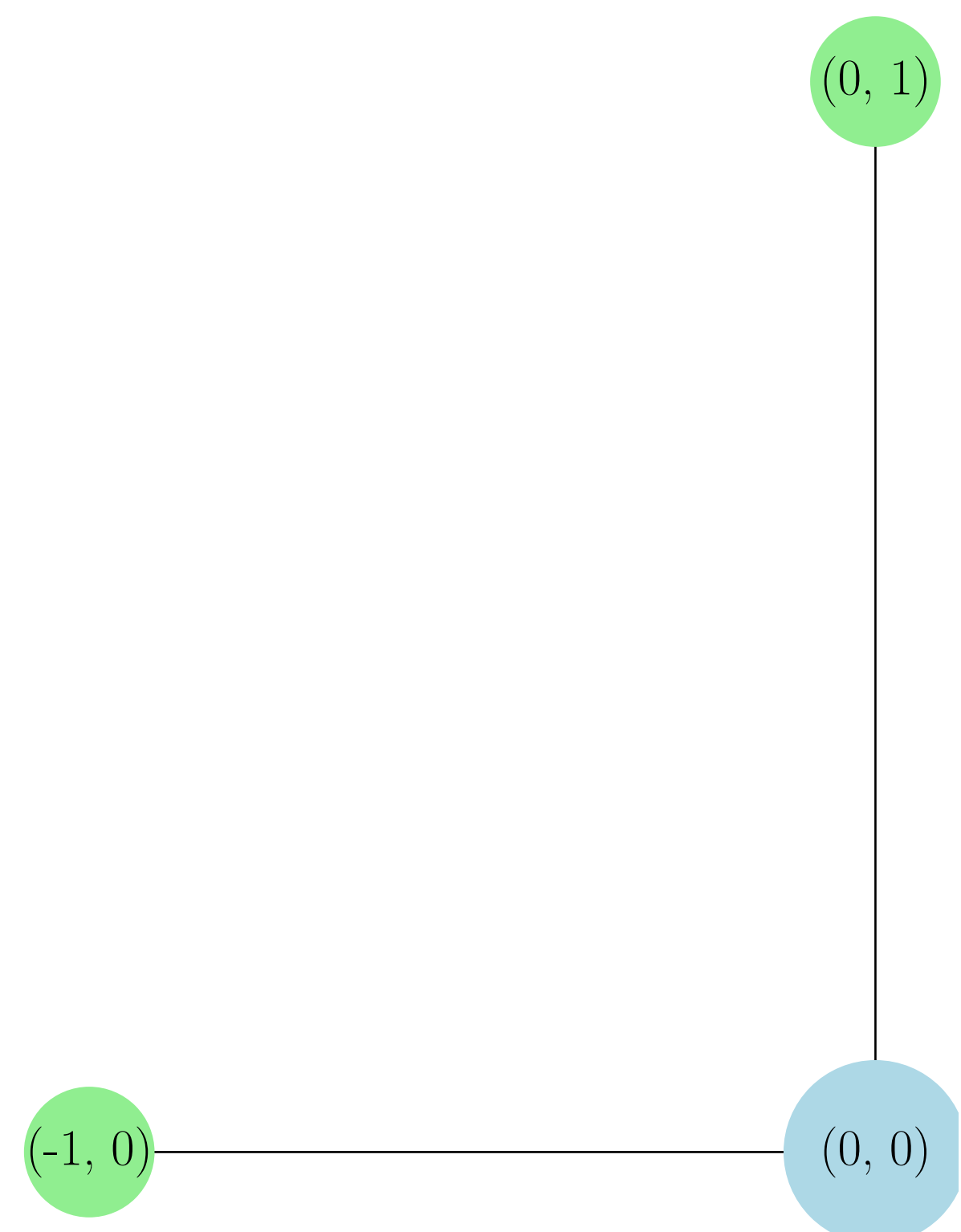
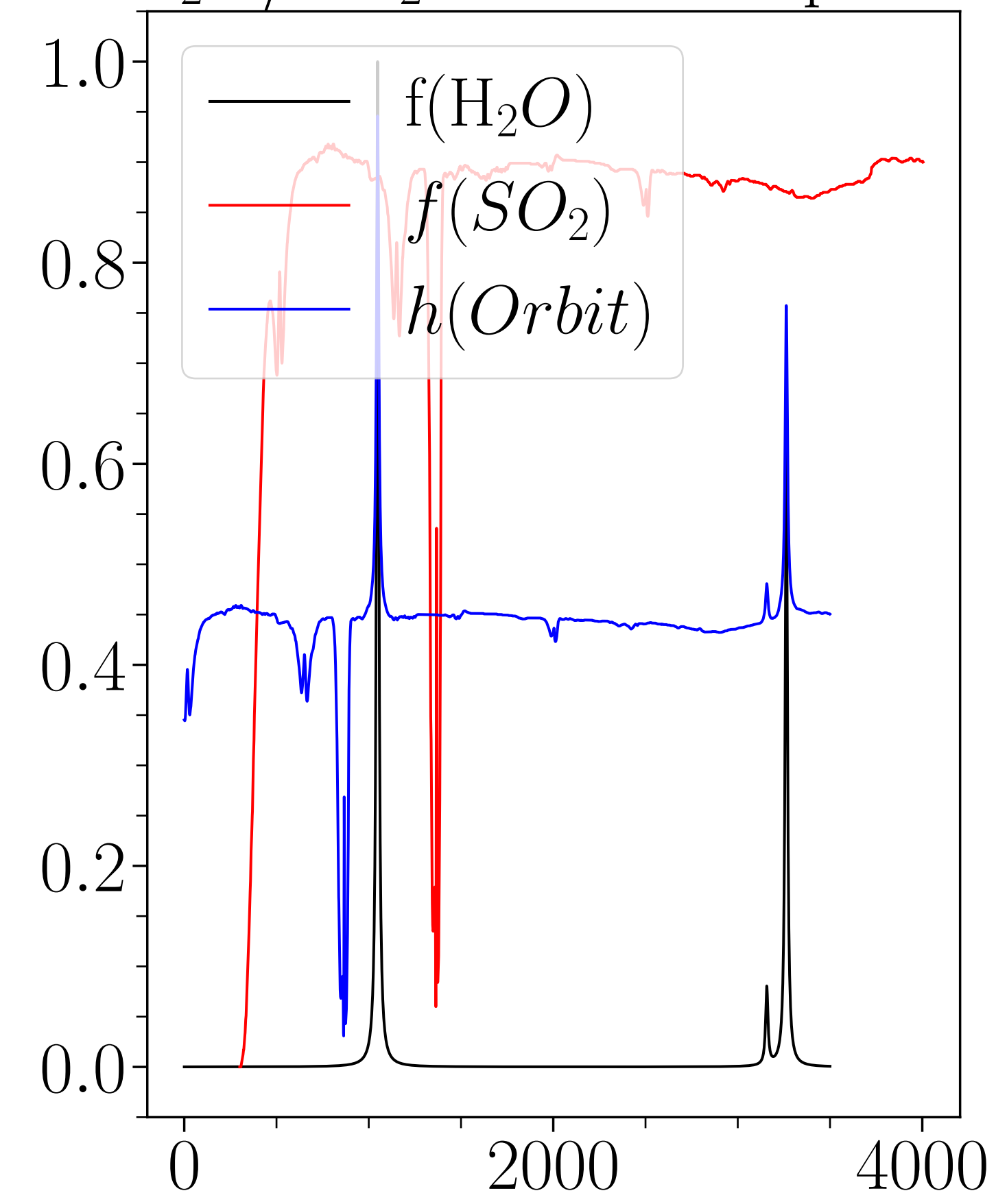
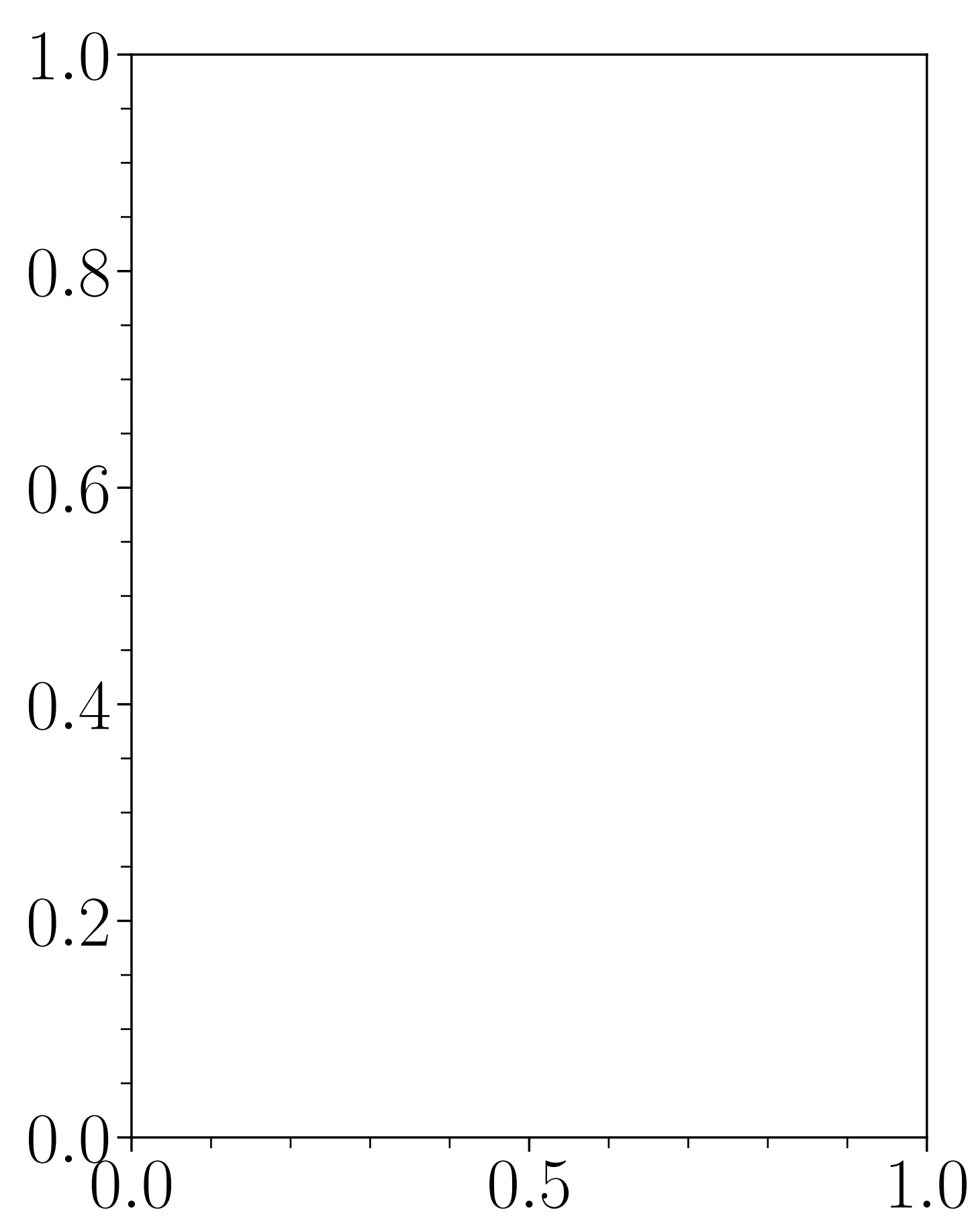
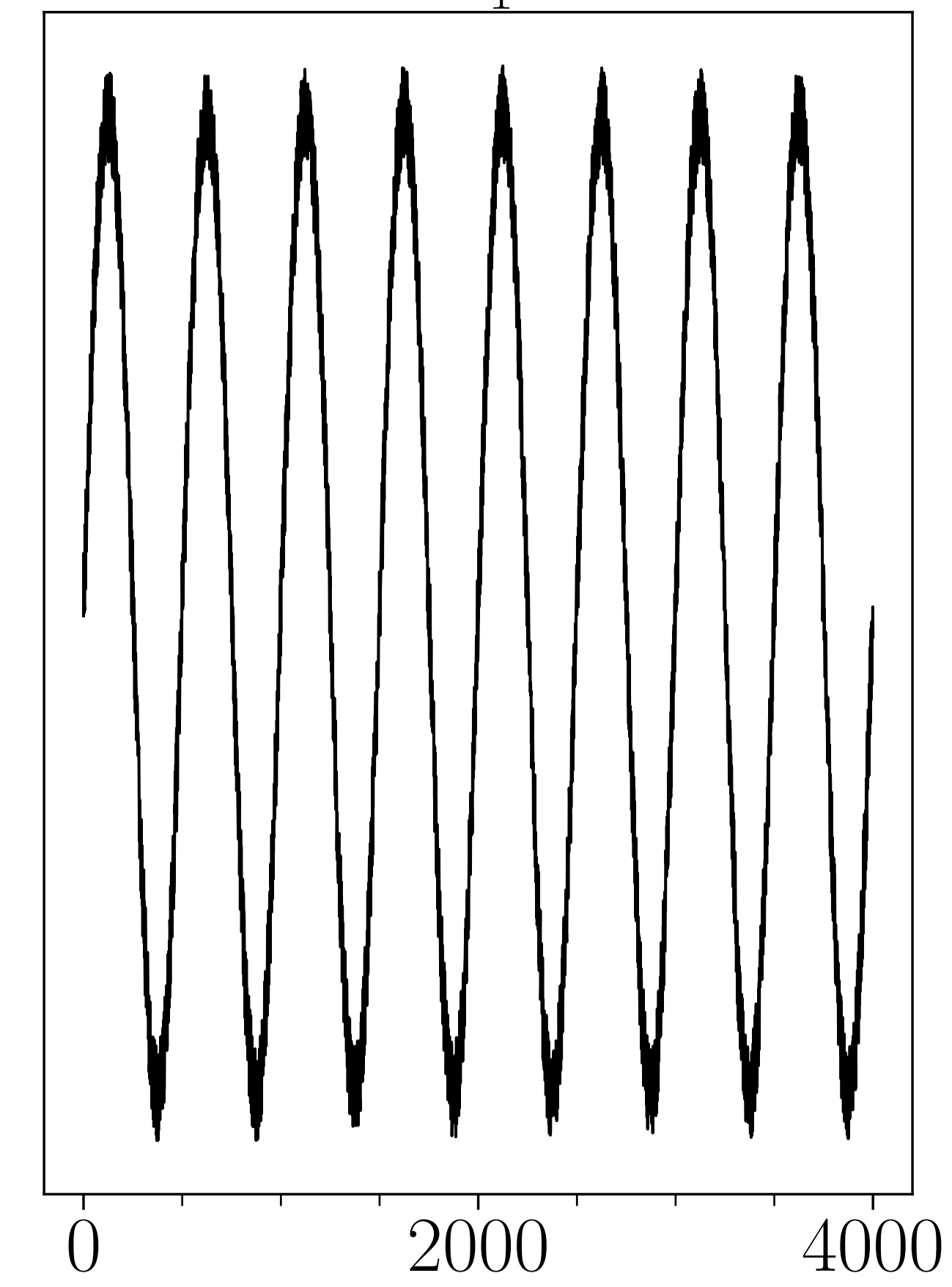
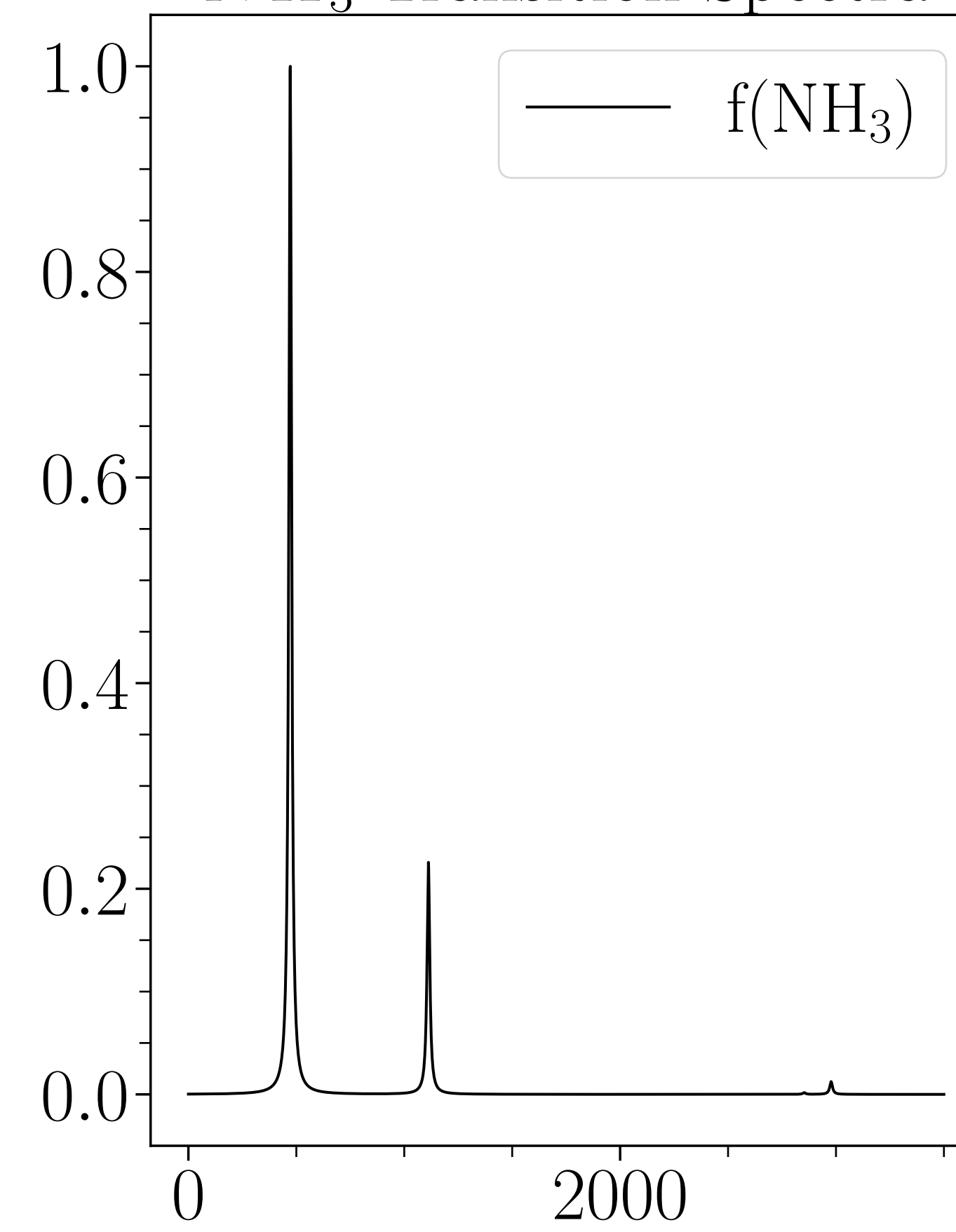


$CH_4(\times)$  $CH_4(+)$  $CH_4(+/\times)$ Transition Spectra $\vec{\sigma}_1$  H_2O  SO_2  H_2O/SO_2 Transition Spectra $\vec{\sigma}_1$  NH_3 Transition Spectra $\vec{\sigma}_2$ 