

Investigation of structure of noise component in molecular spectra

Sibgatullin M., Galimullin D., Kamalova D., Salakhov M.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Published under licence by IOP Publishing Ltd. In the work the noise component of molecular spectra is investigated by use the Hurst index which is the quantitative parameter of memory effects. It was shown that the low- frequency noise component predominates. The Hurst index is from 0.6 to 0.7 for the studied FTIR spectra registered at different temperatures.

<http://dx.doi.org/10.1088/1742-6596/613/1/012016>
