

$^{16}\text{O}_3$ Coriolis Type Coupling Parameter of the (401) and (024) States

Natural isotopic abundance: 0.992728.

Reference	[97Bar3]
Method	Fourier transform spectroscopy.
Equation	Equation 19 in chapter “Introduction”.
Statistical errors	One standard deviation.
Remarks	All values are given in cm^{-1} . Molecular constants determined in the same fit are given in chapter “ $^{16}\text{O}_3$ Vibrational Energy and Rotational and Centrifugal Distortion Constants for the (401), and (024) States”. The isotopic composition of the elements used for the calculation of the natural isotopic abundance is taken from [2007Coh].
Abbreviation	SE: Statistical error.

		<4011//024>	SE
C_{001}	$\times 10^3$	-8.57	0.50

Symbols and abbreviations

Short form	Full form
C_y, C_{yz}	Coriolis coupling parameter
SE	Statistical error

References

- [97Bar3] Barbe, A., Plateaux, J.J., Mikhailenko, S., and Tyuterev, V.G.: Infrared Spectrum of Ozone in the 4600 and 5300 cm^{-1} Regions: High Order Accidental Resonances through the Analysis of $\nu_1 + 2\nu_2 + 3\nu_3 - \nu_2, \nu_1 + 2\nu_2 + 3\nu_3$, and $4\nu_1 + \nu_3$ Bands. *J. Mol. Spectrosc.* **185** (1997) 408–416.
- [2007Coh] Cohen, E.R., Cvitaš, T., Frey, J.G., Holmström, B., Kuchitsu, K., Marquardt, R., Mills, I., Pavese, F., Quack, M., Stohner, J., Strauss, H.L., Takami, M., Thor, A.J.: Quantities, Units and Symbols in Physical Chemistry. The IUPAC Green Book, 3rd Ed., Cambridge: RSC Publishing, 2007.