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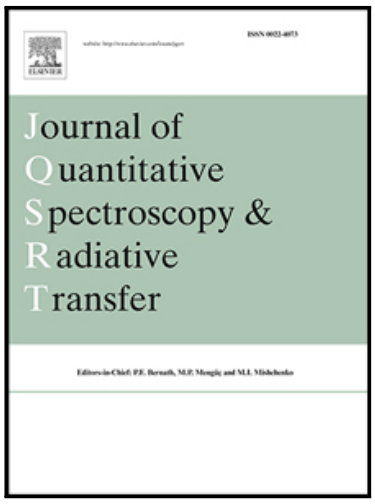

CO_2-broadening and shift coefficients in the ν_3 and $\nu_2 + (\nu_4 + \nu_5)^0_+$ bands of acetylene

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PII: S0022-4073(17)30815-4
DOI: 10.1016/j.jqsrt.2017.12.029
Reference: JQSRT 5945

To appear in: *Journal of Quantitative Spectroscopy & Radiative Transfer*

Received date: 28 October 2017
Revised date: 29 December 2017
Accepted date: 29 December 2017

Please cite this article as: O.M. Lyulin , T.M. Petrova , A.M. Solodov , A.A. Solodov , V.I. Perevalov , CO_2-broadening and shift coefficients in the ν_3 and $\nu_2 + (\nu_4 + \nu_5)^0_+$ bands of acetylene, *Journal of Quantitative Spectroscopy & Radiative Transfer* (2017), doi: 10.1016/j.jqsrt.2017.12.029

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Highlights

- CO_2-broadening and shift coefficients of 119 lines of the acetylene ν_3 and $\nu_2+(\nu_4+\nu_5)^0_+$ bands are measured.
- Both CO_2-broadening and shift coefficients of the acetylene ν_3 and $\nu_2+(\nu_4+\nu_5)^0_+$ bands have very close values.
- Polynomial equation describing the rotational dependence of the broadening coefficients is suggested.

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