Physics > Chemical Physics

New sets of experimental wavenumber values for triplet-triplet rovibronic transitions of H_2 and D_2

Boris P. Lavrov, Andrey S. Mikhailov, Ivan S. Umrikhin

(Submitted on 12 Nov 2010 (v1), last revised 26 Nov 2010 (this version, v2))

New sets of experimental wavenumber values for triplet-triplet rovibronic transitions of H_2 and D_2 for visible part of spectrum ($400 \div 700$ nm) have been obtained. The digital intensity registration providing a linear response of the detector gave us the opportunity of digital deconvolution of the recorded line profiles. For line centers that made it possible to reach an accuracy (< 0.0006 nm) limited only by selfconsistency of various wavenumber standards. New sets of wavenumber values were obtained with accuracy $0.006 \div 0.05$ cm^{-1}.

Comments:	3 pages, The 21st International Conference on High Resolution Molecular Spectroscopy, Pozna\'n, Poland, September 7-11, 2010, Conference program, F33
Subjects:	**Chemical Physics (physics.chem-ph)**
Cite as:	**arXiv:1011.2917v2 [physics.chem-ph]**

Submission history

From: Boris Lavrov [view email]
[v1] Fri, 12 Nov 2010 14:36:28 GMT (2kb)
[v2] Fri, 26 Nov 2010 08:49:09 GMT (3kb)

Which authors of this paper are endorsers?