

SUBPERCENT AND SUBPROMILLE INTENSITY CALCULATIONS OF ROVIBRATIONAL LINES OF MULTIPLE BANDS

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I will review our recent (up to one or two years) and very recent (months and days) results on the line intensity calculations and comparison with high accuracy and extra high accuracy experimental observations. High accuracy is about 1 % and extra high accuracy is better than 0.1 % (pro-mille). I will focus mostly on CO and CO<sub>2</sub> line intensities. Time permitting the results on water, ozone, HCN and N<sub>2</sub>O will be mentioned.