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The Oxygen A-Band Spectra Revisited

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We have re-analyzed the A-band spectra of oxygen and oxygen broadened by nitrogen previously published by our research group [1,2]. We have used a multispectrum fit analysis [3] and different line shape models. The line shape narrowing (Dicke) effects were incorporate using theoretical calculations for the self diffusion coefficients and Maxwell–Stefan diffusion coefficients discussed. We have compared our re-analysis results with published results available in the literature.

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