## EINSTEIN A COEFFICIENTS FOR VIBRATION-ROTATIONAL TRANSITIONS OF NO

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Using an algebraic approach<sup>*a*</sup> with software for symbolic computation, we calculated the Einstein A coefficients for vibration-rotational transitions with  $\Delta v = 1$  and 2 for NO in its electronic ground state, <sup>2</sup> $\Pi$ , in substates both  $\Omega = 1/2$  and 3/2, up to v = 10. These values will be applicable in an analysis of the chemiluminescence of NO resulting from exothermic chemical reactions in the gaseous phase.

<sup>a</sup>J. F. Ogilvie, The Vibrational and Rotational Spectrometry of Diatomic Molecules, Academic Press, London UK, 1998