THE INFRARED SPECTRUM OF CH_3O IN THE CH STRETCHING REGION

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Since the last report,[b] we have made progress in obtaining and analyzing the jet-cooled high resolution spectrum of methoxy, CH_3O, in the CH stretching region. Specifically, a second perpendicular band similar to the first in exhibiting $\Delta p=+1$ has been obtained and fitted. In addition two additional isolated subbands, one with perpendicular selection rules and the other with parallel selection rules have been assigned and fitted. We are attempting to achieve a global understanding of these results.

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[b]Jia-xiang Han, Yu. G. Utkin, Hong-bing Chen, L. A. Burns, and R. F. Curl, J. Chem. Phys. 117, 6538-6545 (2002).