## THE FAR-INFRARED RING-PUCKERING ROTATIONAL-VIBRATIONAL SPECTRUM OF 2,5-DIHYDROFURAN

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The far-infrared spectrum of 2,5-Dihydrofuran has been recorded and it shows several ring-puckering transitions along with rotationalvibrational fine structure. Since the molecule is a near symmetric top ( $A = 0.267 \text{ cm}^{-1}$  and  $B = 0.261 \text{ cm}^{-1}$ ), the peaks are separated by approximately 0.53 cm<sup>-1</sup>. Despite the overlap between several puckering bands, the fine structure can be nicely resolved with a resolution of 0.1 cm<sup>-1</sup>. The ring-puckering spectrum consisting of a series of bands between 99 and 185 cm<sup>-1</sup> is similar to that previously reported.