

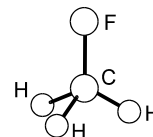
## Structure Data of Free Polyatomic Molecules

 114  
MW

**CH<sub>3</sub>F**
**Fluoromethane**  
Methyl fluoride

**C<sub>3v</sub>**  
CH<sub>3</sub>F

$r_e$	Å <sup>a)</sup>	$\theta_e$	Å <sup>a)</sup>
C–H	1.0870(5)	H–C–H	110.26(6)
C–F	1.3827(4)	H–C–F	108.67(6)


<sup>a)</sup> Three times the estimated standard errors.

 Demaison, J., Breidung, J., Thiel, W., Papoušek, D.: Struct. Chem. **10** (1999) 129.

[II/25B\(3, 275\)](#)