

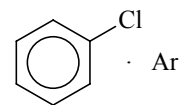
**705**  
MW

**C<sub>6</sub>H<sub>5</sub>ArCl**

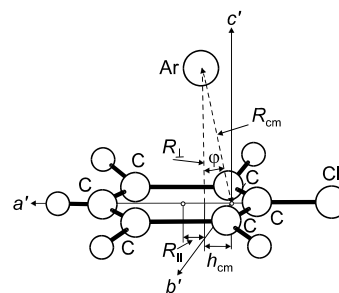
**Chlorobenzene – argon (1/1)**  
(weakly bound complex)

**C<sub>s</sub>**  
(effective symmetry class)  
(large-amplitude motion)

$r_0$	Å <sup>a)</sup>	$\theta_0$	deg <sup>a)</sup>
$R_{\perp}^{b)}$	3.540(5)	$\varphi^{b)}$	9.04(20)
$R_{\parallel}^{b)}$	0.387(5)		
$h_{\text{cm}}^{b)}$	0.563(5)		
$R_{\text{cm}}^{b)}$	3.585(5)		



The Ar atom is over the aromatic ring, shifted from a position above the geometrical ring center towards the substituted carbon atom, and at a distance of *ca.* 3.68 Å from it.



<sup>a)</sup> Uncertainties were not estimated in the original paper.

<sup>b)</sup> See figure for the definition; *a'*, *b'* and *c'* indicate the positions of the principal axes of chlorobenzene monomer.

Oh, J.J., Park, I., Wilson, R.J., Peebles, S.A., Kuczkowski, R.L., Kraka, E., Cremer, D.: J. Chem. Phys. **113** (2000) 9051.