

# ADDITIONS AND CORRECTIONS

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**I. Hartl and W. Zinth\*:** Redistribution and Relaxation of Vibrational Excitation of CH-Stretching Modes in 1,1-Dichloroethylene and 1,1,1-Trichloroethane

Page 4221. The table titles are not accurately reproduced. Correct tables are given below.

**TABLE 1: Time Constants for Relaxation and Redistribution  $1/\gamma_{ij}$  Calculated from the Experimental Time Constants and Population Densities Using the Rate Equation Model of Figure 6**

	time constants, ps			
	relaxation of		redistribution of	
	symmetric mode $1/\gamma_{01}$	asymmetric mode $1/\gamma_{07}$	asymmetric to symmetric mode $1/\gamma_{17}$	symmetric to asymmetric mode $1/\gamma_{71}$
CH <sub>2</sub> CCl <sub>2</sub>	3.5	8.6	5.9	9.5
CH <sub>3</sub> CCl <sub>3</sub>	5.0	16.2	6.7	4.7

**TABLE 2: Time Constants  $1/\Gamma_{j1}$  for the Different Reaction Channels Calculated According to Reference 16<sup>a</sup>**

$\omega_j$	$R_j$	$T_{2j}$ , ps	$1/\Gamma_{j1}$ , ps
(a) CH <sub>2</sub> CCl <sub>2</sub>			
2922	0.0047	0.74	471.3
2938	0.0047	1.04	599.0
2953	0.019	0.56	74.5
2991	0.11	0.53	10.3
3059	0.079	0.37	8.0
3175	0.051	0.27	20.6
3230	0.0093	0.45	231.6
(b) CH <sub>3</sub> CCl <sub>3</sub>			
2739	0.050	1.21	131.2
2834	0.015	0.53	99.3
2855	0.062	0.25	11.2
2882	0.050	0.45	19.7

<sup>a</sup> The parameters  $\omega_j$ ,  $R_j$ , and  $T_{2j}$  are obtained from the spontaneous Raman spectra of Figures 1 and 2.

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