

Table 3: Asymmetry doubling coefficients for states of  $A$  symmetry of the CO-stretch mode.

$v$	$v_z$	$K$	$S$	$T$	$U$	$V$	$W$
co	0	1	$-1.29355(37) \times 10^{-02}$	$1.32(20) \times 10^{-07}$	$6.55(36) \times 10^{-10}$	$1.5(27) \times 10^{-14}$	$-4.40(69) \times 10^{-17}$
co	0	2	$2.649(28) \times 10^{-06}$	$-1.43(52) \times 10^{-10}$	$-1.71(24) \times 10^{-13}$		
co	0	3	$-3.62(41) \times 10^{-10}$	$-6.09(76) \times 10^{-13}$	$3.22(34) \times 10^{-16}$		
co	0	4	$5.65(26) \times 10^{-14}$	$-7.0(19) \times 10^{-18}$			
co	1	1	$-1.3439(11) \times 10^{-03}$	$3.88(26) \times 10^{-08}$	$1.02(15) \times 10^{-11}$		
co	1	2	$-1.9812(100) \times 10^{-07}$	$7.93(93) \times 10^{-12}$			
co	1	4	$1.400(93) \times 10^{-13}$	$-2.37(20) \times 10^{-16}$	$1.09(10) \times 10^{-19}$		