			γ_2°	$\gamma_2^{}$	γ_4°	γ_4^-	γ_4^-
Ligand	θ_h	ϕ_h	$3\cos^2\theta_h - 1$	$\sin^2 \theta_h e^{\pm 2i\phi_h}$	$35\cos^4\theta_h - 30\cos^2\theta_h + 3$	$\sin^2\theta_h(7\cos^2\theta_h - 1)e^{\pm 2i\phi_h}$	$\sin^4 \theta_h e^{\pm 4i\phi_h}$
1	$\pi/2$	0	-1	1	3	1	1
2	$\pi/2$	$\pi/2$	-1	-1	3	-1	1
3	$\pi/2$	π	-1	1	3	1	1
4	$\pi/2$	$3\pi/2$	-1	-1	3	-1	1
Sum			-4	0	12	0	4
Table 1.1: Contribution to the γ_k^q coefficients arising from the trigonometric functions contained in the spherical							
harmonics (second raw) evaluated on the different ligands of the planar D_{4h} geometry. The sum over all the ligands							
is given in the last raw. Normalization constants of the $Y_{k,q}(\theta_h,\phi_h)$ functions and numerical prefactors present in							

Eq. (1.43) are not considered for clarity.