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**LIST OF SYMBOLS**

$\delta$	-	Deformation
$\nu_{as}$	-	Asymmetric Stretching
$\nu_s$	-	Symmetric Stretching
$E$	-	Energy
$\lambda$	-	Wavelength
$S$	-	Spin angular momentum
$L$	-	Orbital angular momentum
$J$	-	Total angular momentum
$l$	-	Azimuthal quantum number
$c$	-	Speed of Light
$\nu$	-	Frequency of light
$d$	-	Distance
$\theta$	-	Angle
$h$	-	Planck constant
$Q$	-	Tetrahedral of phosphate link



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