V^*	dual space
S	basis transformation
χ	character
$\chi(R)$	value of χ at R
C_i	conjugacy class
χ_α	irreducible character
m_α	multiplicity
N	order of K
d_α	dimension of irreducible representation α
n_i	order of class C_i
c_{ijk}	class multiplication constants
T	tetrahedral group
O	octahedral group
I	icosahedral group
$P(K)$	projective representation
$W_i(A_1, \ldots, A_p)$	word in generators A_j
K^d	double group
$E(n)$	Euclidean group
$g = \{R\|\mathbf{a}\}$	element of $E(n)$
$T(n)$	translation group in n dimensions
Λ	lattice
Λ^*	reciprocal lattice
$\mathbf{a}(R)$	translation vector system
$\mathbf{k}$	vector in dual space
$G_\mathbf{k}$	group of $\mathbf{k}$
$K_\mathbf{k}$	point group of $G_\mathbf{k}$
ω	factor system
$\mathrm{Det}(R)$	determinant of R
$\left(\begin{array}{cc\|cc} \alpha & \beta & \gamma & \\ i & j & k & \ell \end{array}\right)$	Clebsch–Gordan coefficients
θ	time-reversal operator

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