

Az I_h csoport
karaktertáblázata

I_h	E	$12C_5$	$12C_5^2$	$20C_3, 15C_2$	i	$12S_{10}$	$12S_{10}^3$	$20S_6$	15σ			
A_g	1	1	1	1	1	1	1	1	1	R	$\alpha_{xx} + \alpha_{yy} + \alpha_{zz}$	
$T_{1g} \equiv F_{1g}$	3	$\frac{1}{2}(1 + \sqrt{3})$	$\frac{1}{2}(1 - \sqrt{3})$	0	-1	3	$\frac{1}{2}(1 - \sqrt{3})$	$\frac{1}{2}(1 + \sqrt{3})$	0		-1	
$T_{2g} \equiv F_{2g}$	3	$\frac{1}{2}(1 - \sqrt{3})$	$\frac{1}{2}(1 + \sqrt{3})$	0	-1	3	$\frac{1}{2}(1 + \sqrt{3})$	$\frac{1}{2}(1 - \sqrt{3})$	0		-1	
G_g	4	-1	-1	1	0	4	-1	-1	1		0	
H_g	5	0	0	-1	1	5	0	0	-1		1	$(\alpha_{xx} + \alpha_{yy} - 2\alpha_{zz},$ $\alpha_{xx} - \alpha_{yy}, \alpha_{xy},$ $\alpha_{yz}, \alpha_{zx})$
A_u	1	1	1	1	-1	-1	-1	-1	-1	-1	T	1R
$T_{1u} \equiv F_{1u}$	3	$\frac{1}{2}(1 + \sqrt{3})$	$\frac{1}{2}(1 - \sqrt{3})$	0	-1	-3	$-\frac{1}{2}(1 - \sqrt{3})$	$-\frac{1}{2}(1 + \sqrt{3})$	0	1		
$T_{2u} \equiv F_{2u}$	3	$\frac{1}{2}(1 - \sqrt{3})$	$\frac{1}{2}(1 + \sqrt{3})$	0	-1	-3	$-\frac{1}{2}(1 + \sqrt{3})$	$-\frac{1}{2}(1 - \sqrt{3})$	0	1		
G_u	4	-1	-1	1	0	-4	1	1	-1	0		
H_u	5	0	0	-1	1	-5	0	0	1	-1		