* character table ($\omega = e^{2\pi i/3}$)

$T(c)$	$1(1)$	$2_{001}(3)$	$3^{+}_{111}(4)$	$3^{-}_{111}(4)$
A	1	1	1	1
$E^{(a)}$	1	1	ω^*	ω
$E^{(b)}$	1	1	ω	ω^*
T	3	-1	0	0

* polar $\leftrightarrow$ axial conversion

A (A) $E^{(a)}$ ($E^{(a)}$) $E^{(b)}$ ($E^{(b)}$) T (T)

* symmetric product

	A	$E^{(a)}$	$E^{(b)}$	T
A	A	$E^{(a)}$	$E^{(b)}$	T
$E^{(a)}$		$E^{(b)}$	A	T
$E^{(b)}$			$E^{(a)}$	T
T				$A + E^{(a)} + E^{(b)} + T$

* anti-symmetric product

A	$E^{(a)}$	$E^{(b)}$	T
$-$	$-$	$-$	T