

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

$C_3(c)$	1(1)	$3_{001}^+(1)$	$3_{001}^-(1)$
A	1	1	1
$E^{(a)}$	1	ω^*	ω
$E^{(b)}$	1	ω	ω^*

* polar \leftrightarrow axial conversion

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

* symmetric product

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

* anti-symmetric product

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