

\* character table

$C_i$	$1(1)$	$-1(1)$
$A_g$	1	1
$A_u$	1	-1

\* polar  $\leftrightarrow$  axial conversion

$A_g (A_u) \quad A_u (A_g)$

\* symmetric product

	$A_g$	$A_u$
$A_g$	$A_g$	$A_u$
$A_u$		$A_g$

\* anti-symmetric product

$A_g$	$A_u$
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