

PG No. 9  $C_4$  4 [ tetragonal ]

\* character table

$C_4$	1(1)	$2_{001}(1)$	$4_{001}^+(2)$
A	1	1	1
B	1	1	-1
E	2	-2	0

\* polar  $\leftrightarrow$  axial conversion

A (A) B (B) E (E)

\* symmetric product

	A	B	E
A	A	B	E
B		A	E
E			$2A + B$

\* anti-symmetric product

A	B	E
-	-	B