

3D4 2003. Answers:

1. (a) 0.0001067 m^4 , (b) 0.000602 m^4 , 0.000102 m^4 ,
(c) $24.1 \times 10^3 P/E$ at 40.2° to vertical.
3. (c) $P_{cr} = 2ka/3$
4. (a) (ii) 156 kNm