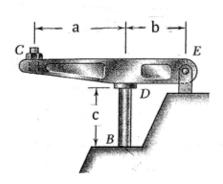
Quiz#2

ESM2204 Spring 2011

Instructor: R.D. Kriz

The rigid bar CDE is attached and rotates around a pin at E, and rests on a brass cylinder at D. If only the brass rod BD, with a coefficient of thermal expansion, α , is subjected to a temperature increase of ΔT , what is the deflection at C.



- 1) α ΔT c a/b
- 2) α ΔT b a/c
- 3) $\alpha \Delta T c (a+b)/b$
- 4) $\alpha \Delta T c (a+b)/b$

