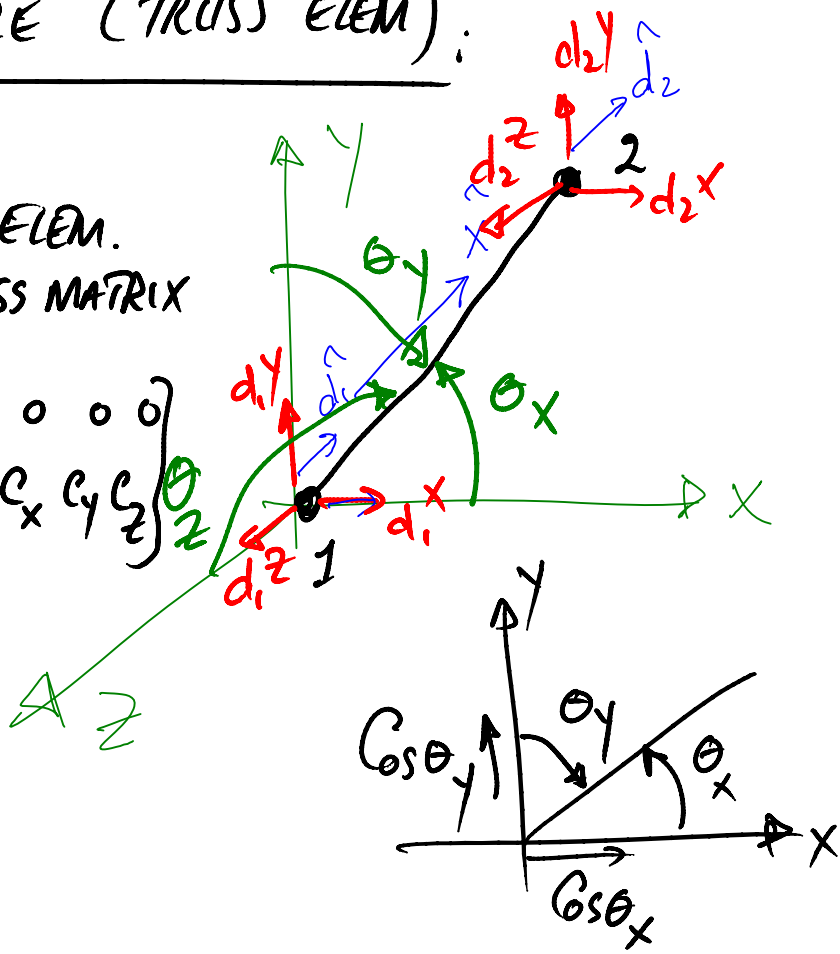


# 3-D STRUCTURE (TRUSS ELEM):

[6x6] GLOBAL ELEM.  
STIFFNESS MATRIX

$$[T] = \begin{bmatrix} C_x & C_y & C_z & 0 & 0 & 0 \\ 0 & 0 & 0 & C_x & C_y & C_z \end{bmatrix}$$



## SYMMETRY:

- 1) GEOMETRY MUST BE SYMMETRIC
- 2) LOADS & RESTRAINT (B.C.'s) MUST BE SYMMETRIC

