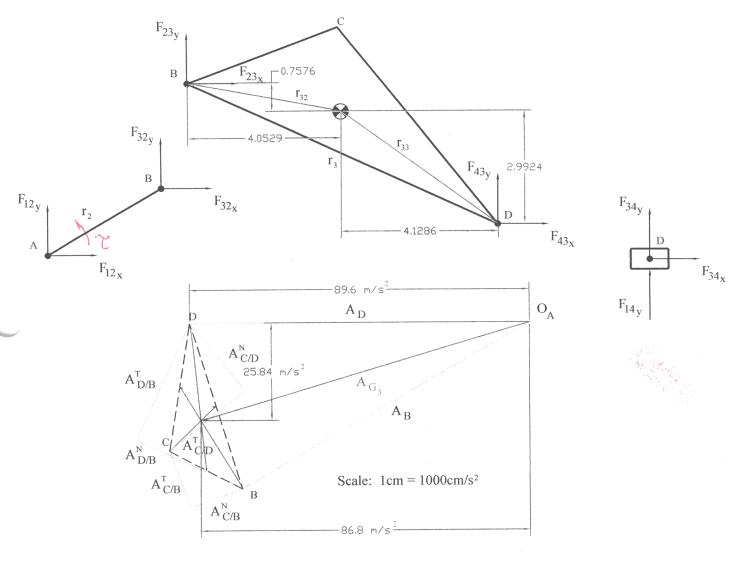
Example 4.10 Consider the slider-crank mechanism of examples 4.8 and 4.9.

Determine the required torque Zz using the matrix method.



Member Three

$$F_{z3x} - F_{34x} = m_3 Q_{63x}$$
  
 $F_{z3x} - F_{zx} = m_2 Q_{6x}$ 

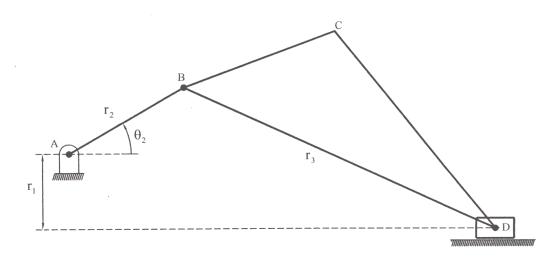
Member Four

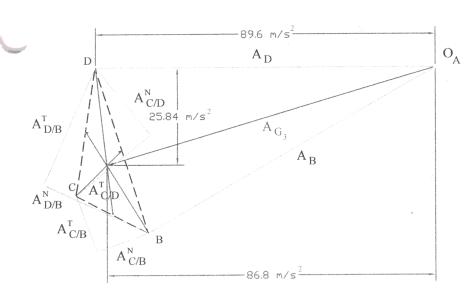
Χ

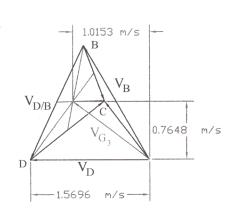
Example 4.11 Consider the slider-crank mechanism of examples 4.8-4.10.

Determine the required torque Zz using the virtual work method.

From previous examples, 03=-18.5 rad/s and 03=378 rad/sz







= 0.479 N·W