ARCH 324 - Structures 2, Winter 2009

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<http://hdl.handle.net/2027.42/64938>
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WEIGHTLESS STICK

\[
\Theta = \frac{ML}{3}
\]

\[
\Theta = \frac{ML}{6}
\]

\[
M = \frac{48}{16} = 3
\]

SIMPLE BEAM

\[
\Theta_1 = \frac{W L^2}{24}
\]

\[
\Theta_2 = \frac{W L^2}{24} = \frac{24(10)^2}{24} = 256
\]

EQUATE \( \Theta \)S

\[
\Theta_1 + \Theta_2 = 0 = \frac{ML}{3} + 256 = M 5.33 + 256
\]