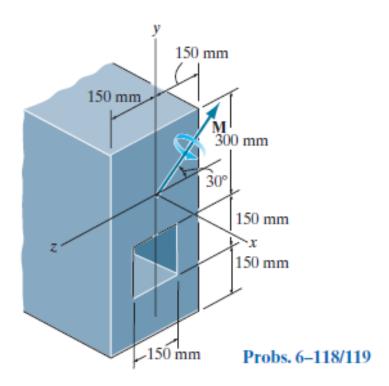
**6–118.** If the beam is subjected to the internal moment of  $M = 1200 \text{ kN} \cdot \text{m}$ , determine the maximum bending stress acting on the beam and the orientation of the neutral axis.



## section properties

## maximum bending stress

```
alpha_vpa = vpa(alpha, 4) %#ok  alpha_vpa = -66.51 deg
```

```
clear sigma_max_vpa alpha_vpa;
% ------
```