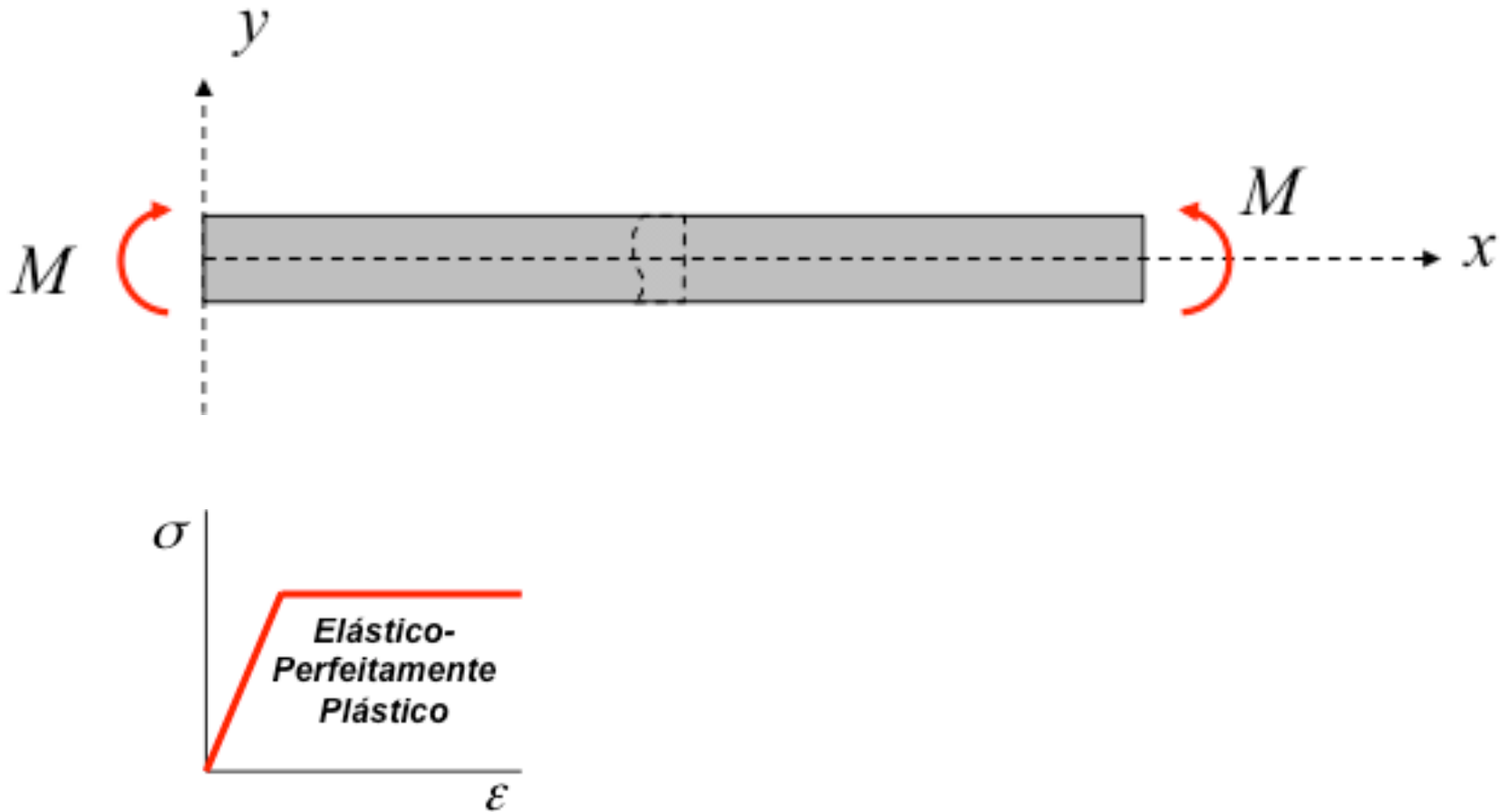
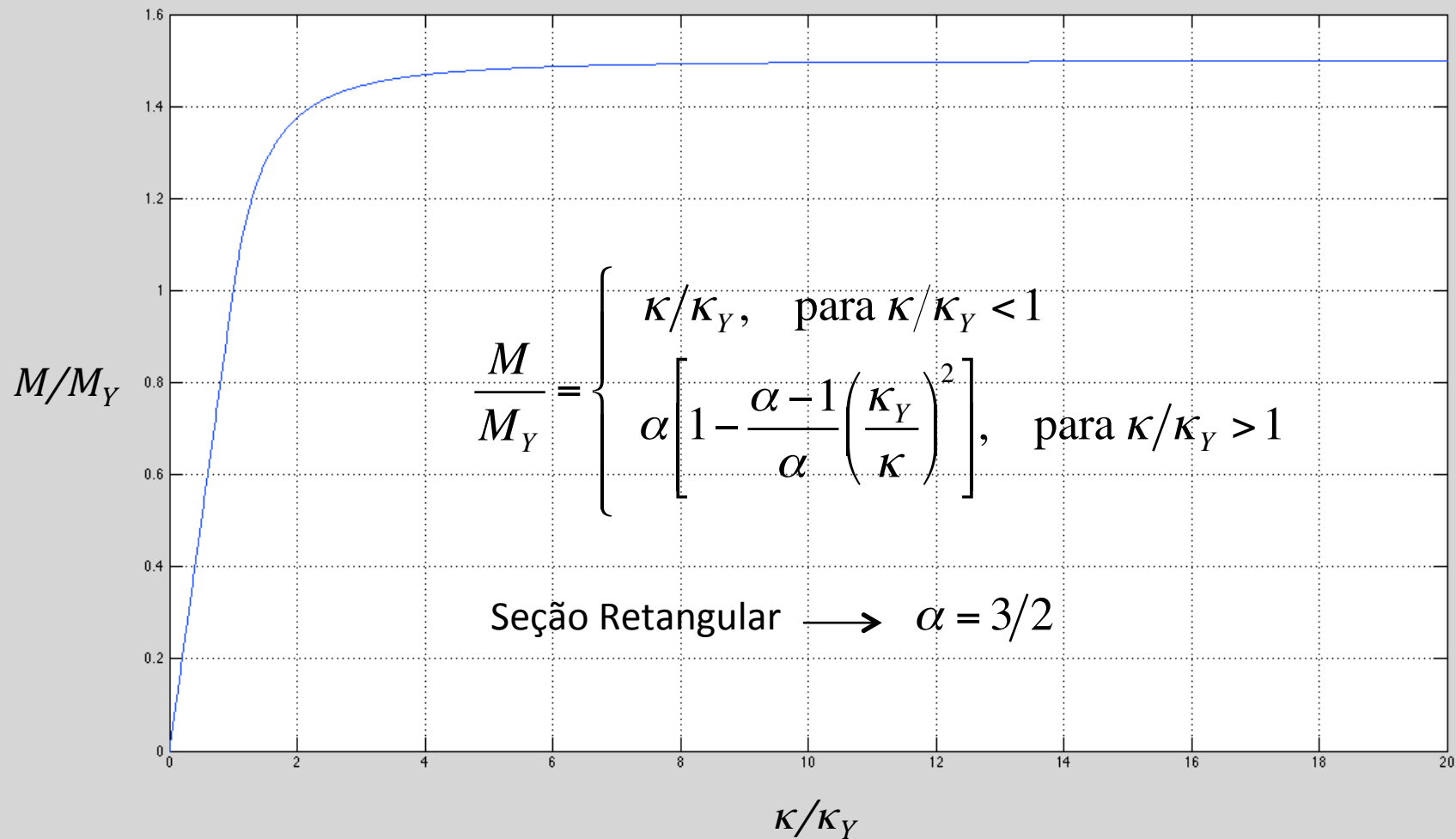
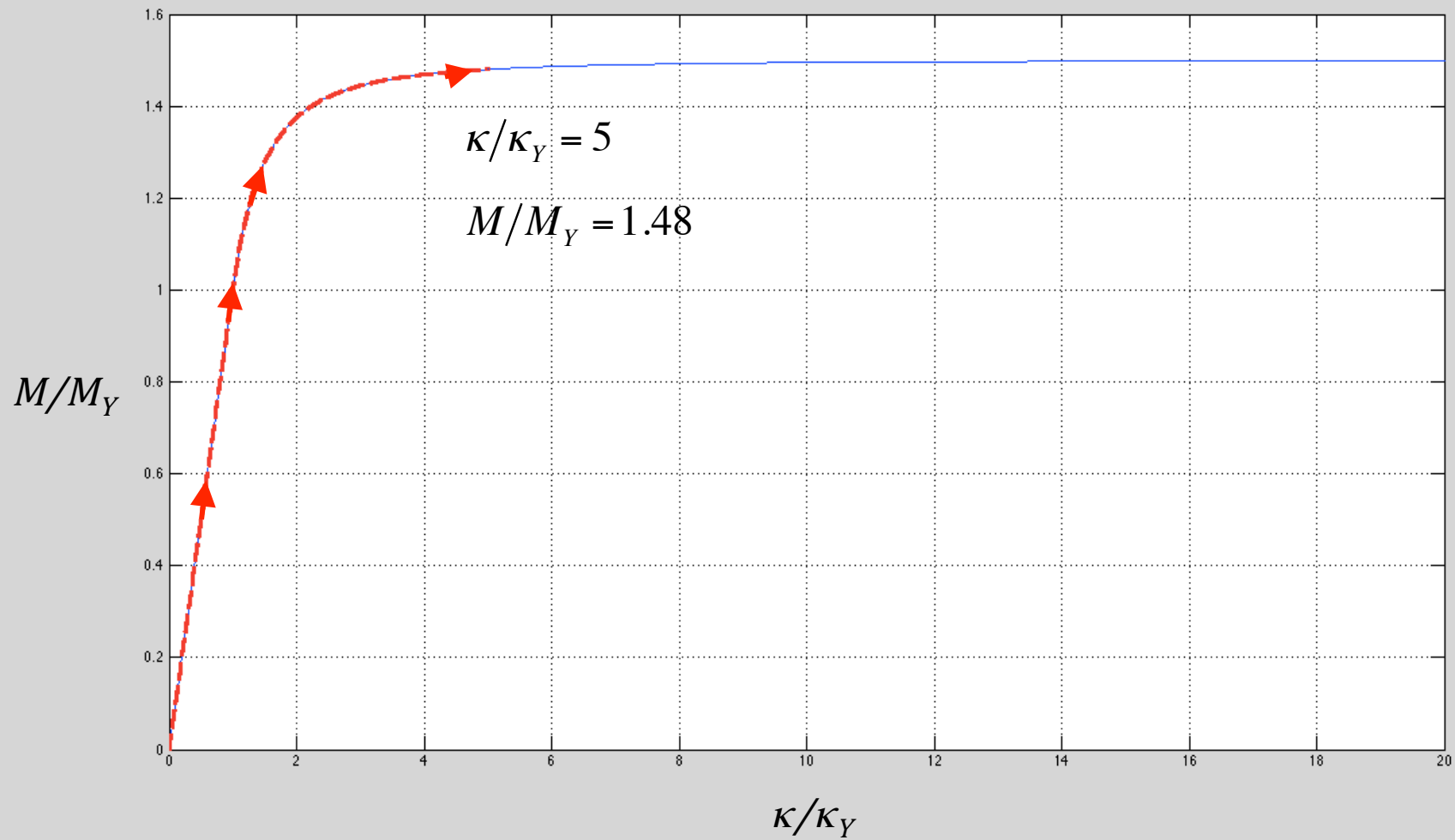
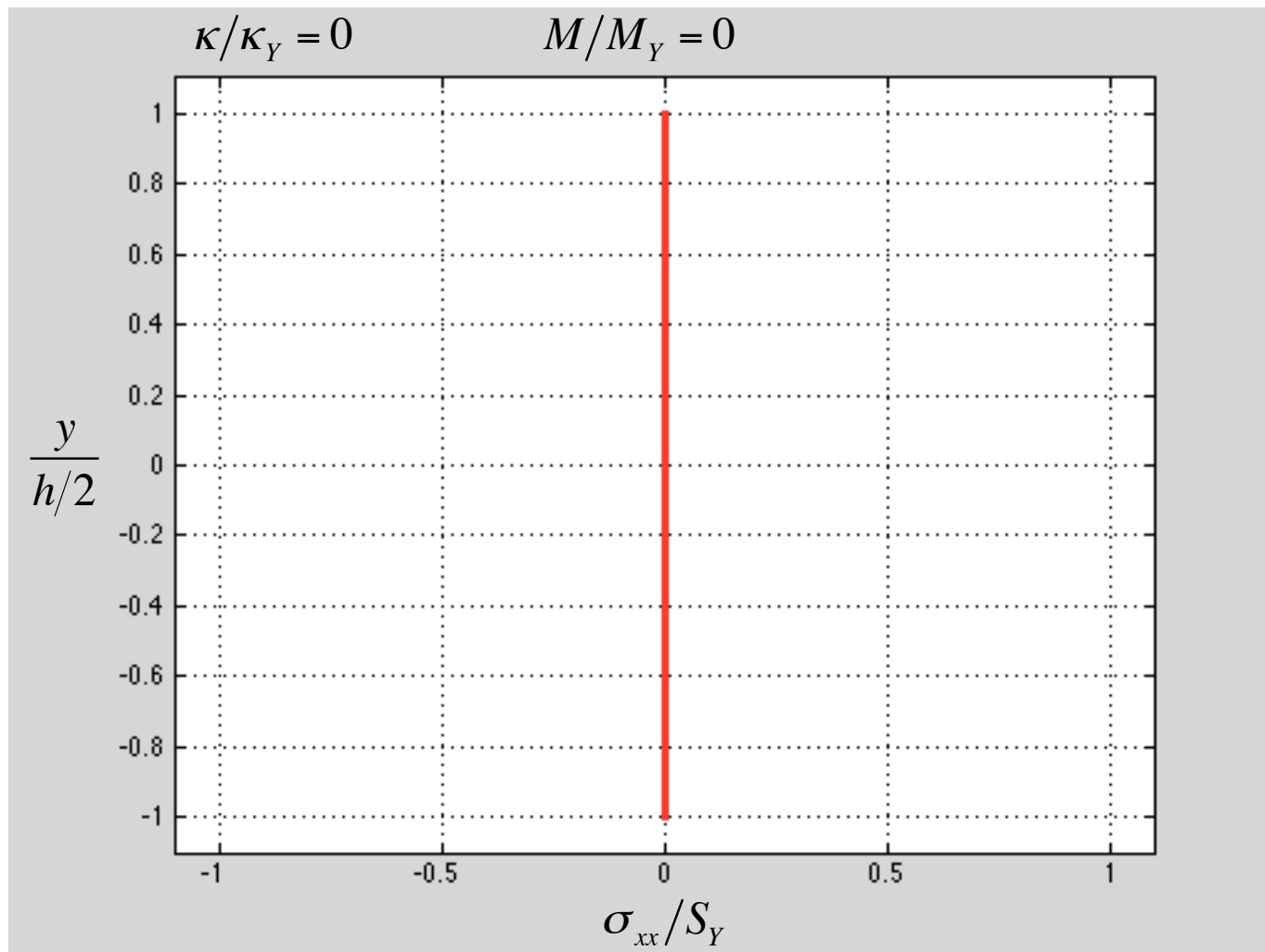


Flexão Elastoplástica



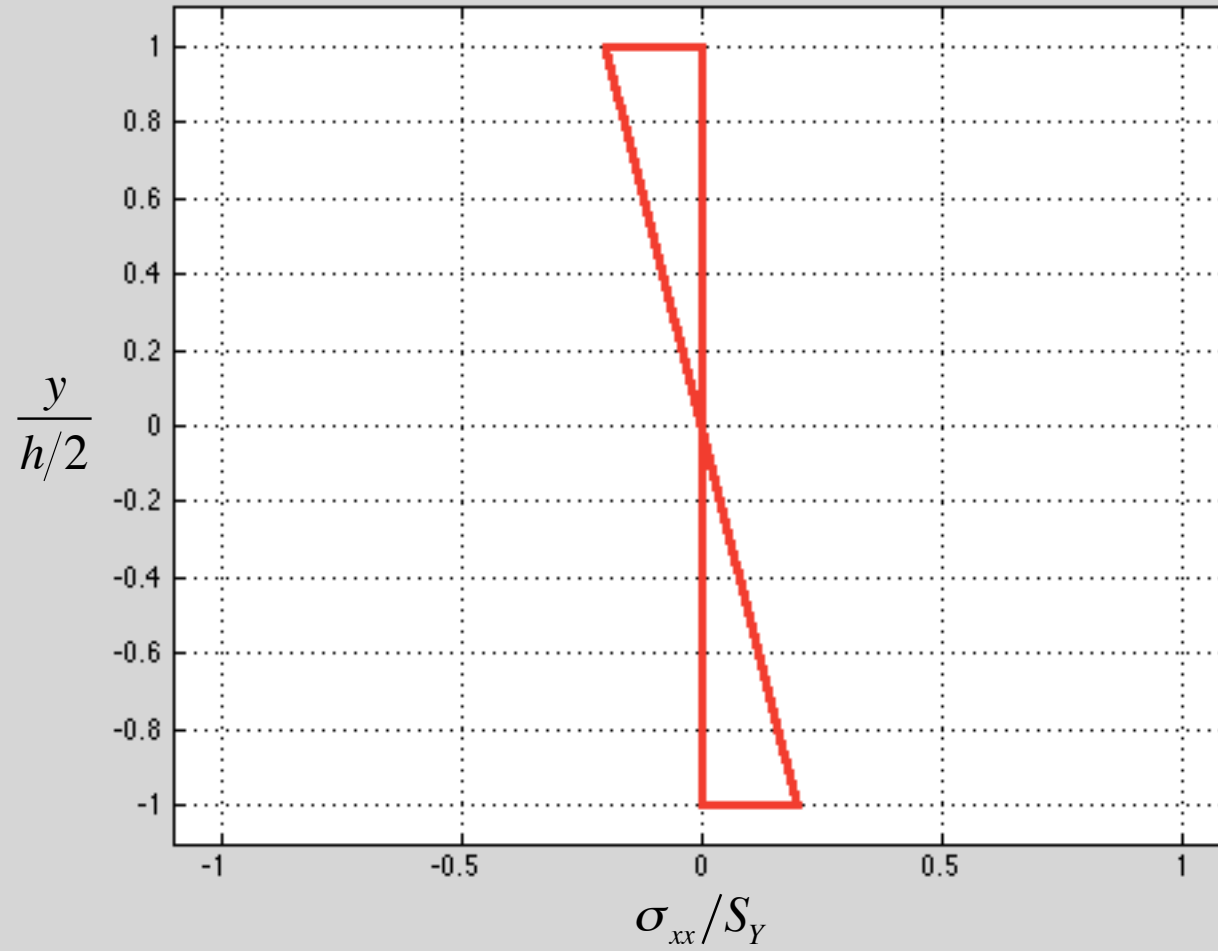






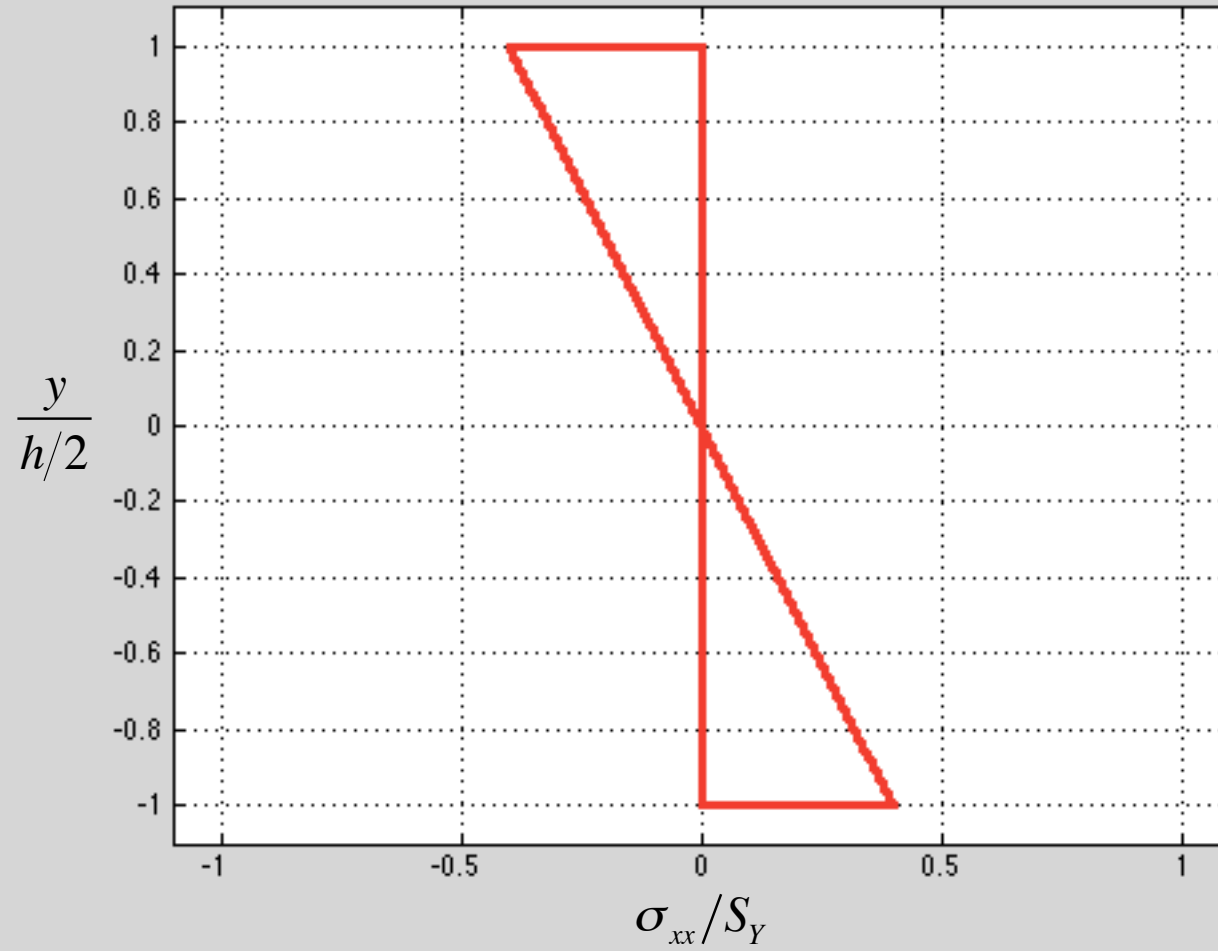
$$\kappa/\kappa_Y = 0.2$$

$$M/M_Y = 0.2$$



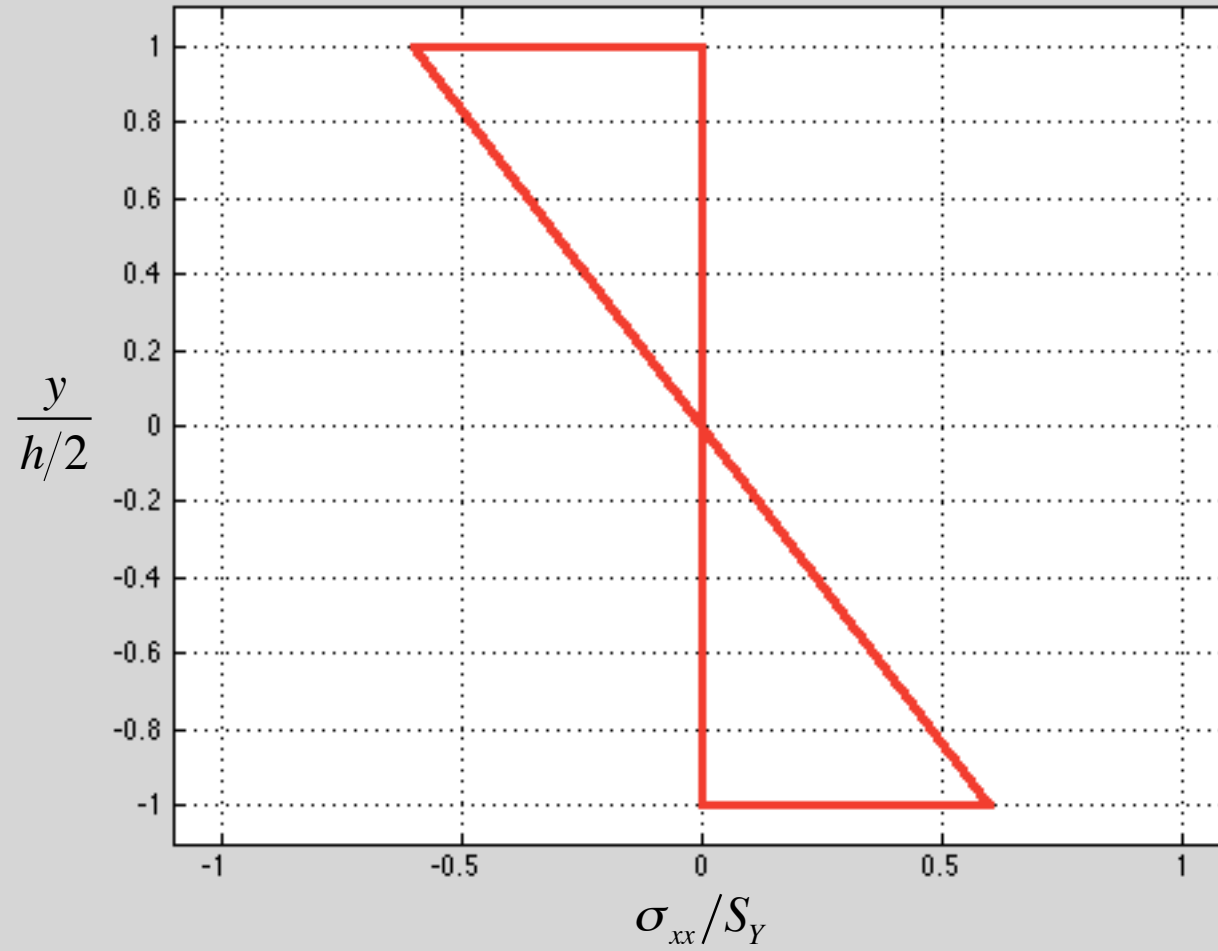
$$\kappa/\kappa_Y = 0.4$$

$$M/M_Y = 0.4$$



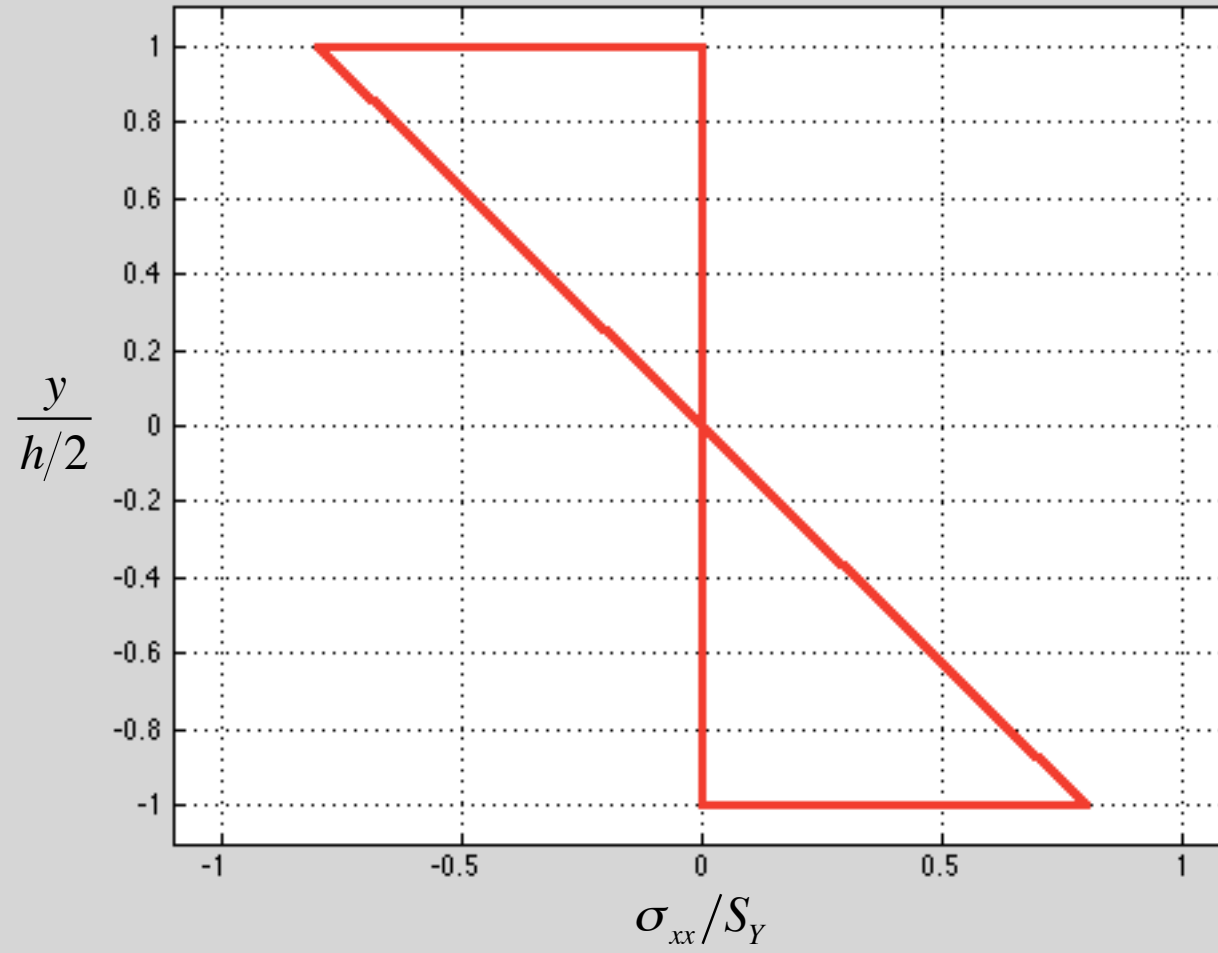
$$\kappa/\kappa_Y = 0.6$$

$$M/M_Y = 0.6$$



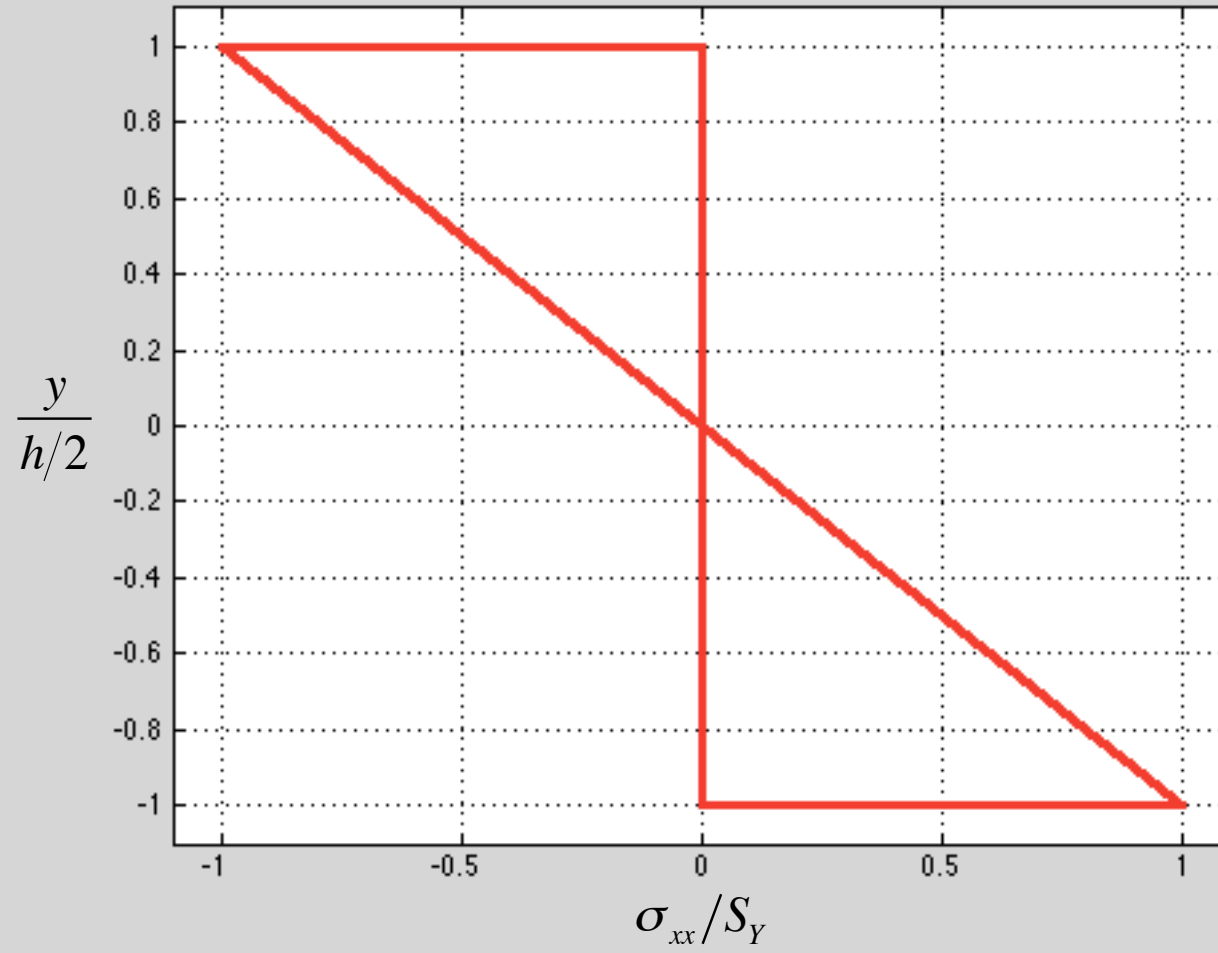
$$\kappa/\kappa_Y = 0.8$$

$$M/M_Y = 0.8$$



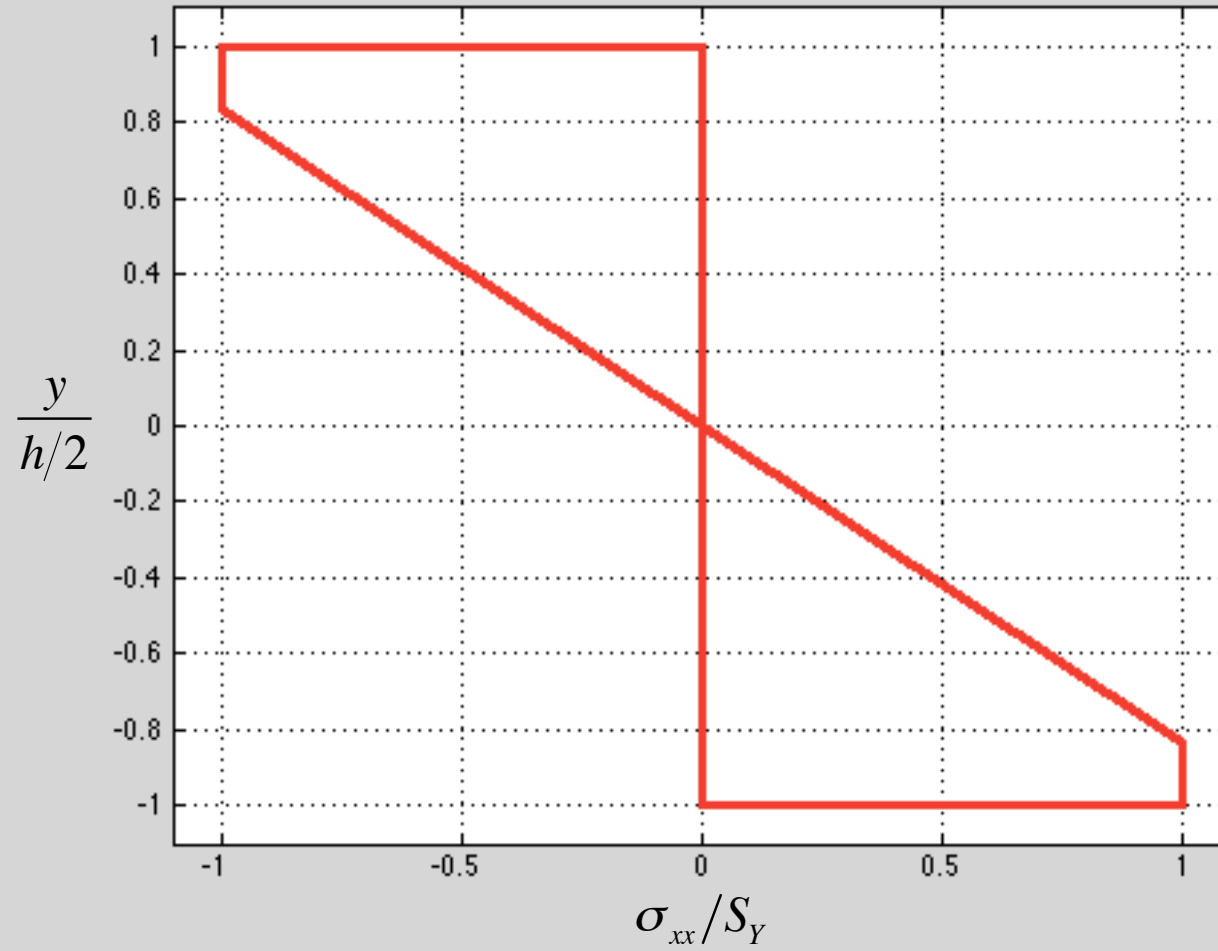
$$\kappa/\kappa_Y = 1.0$$

$$M/M_Y = 1.0$$



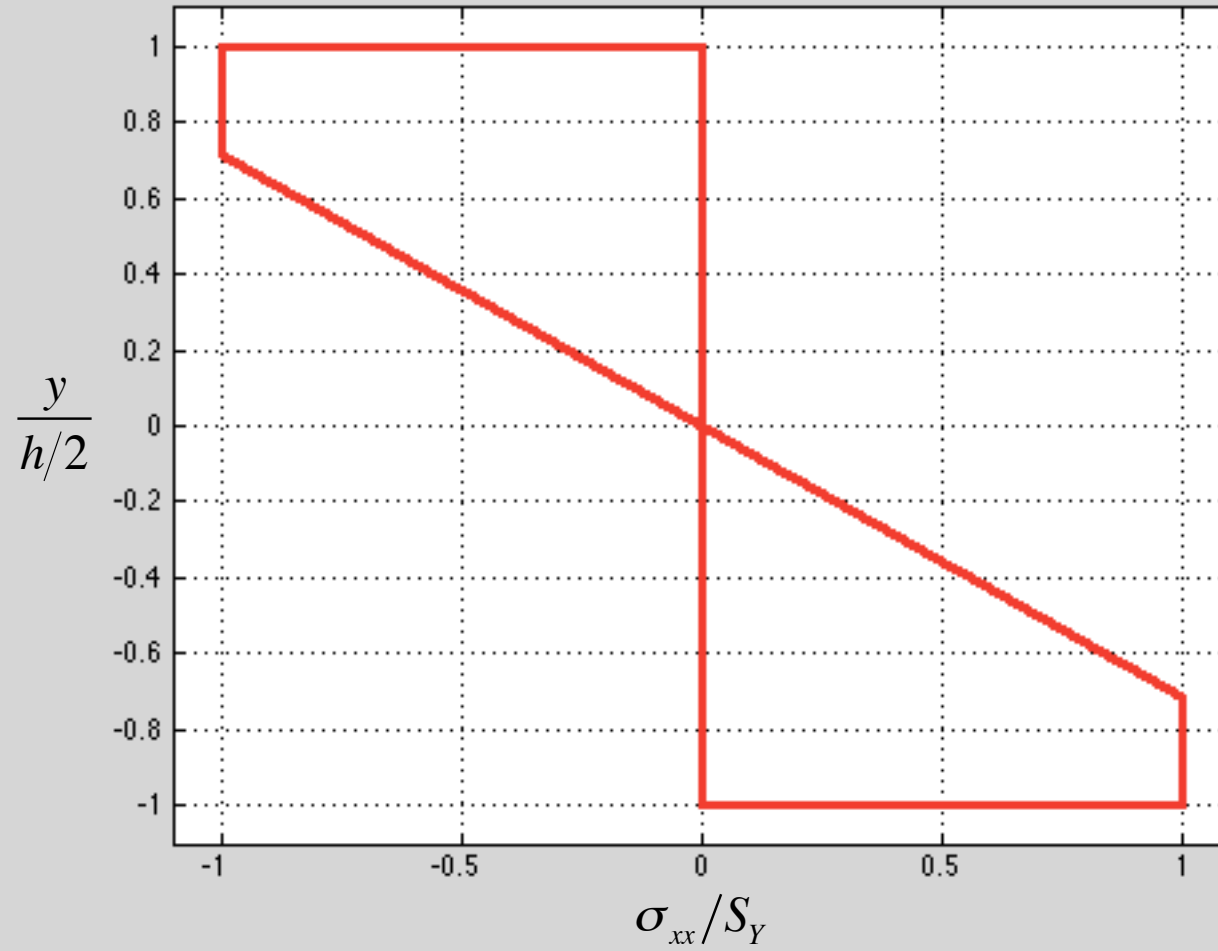
$$\kappa/\kappa_Y = 1.2$$

$$M/M_Y = 1.15$$



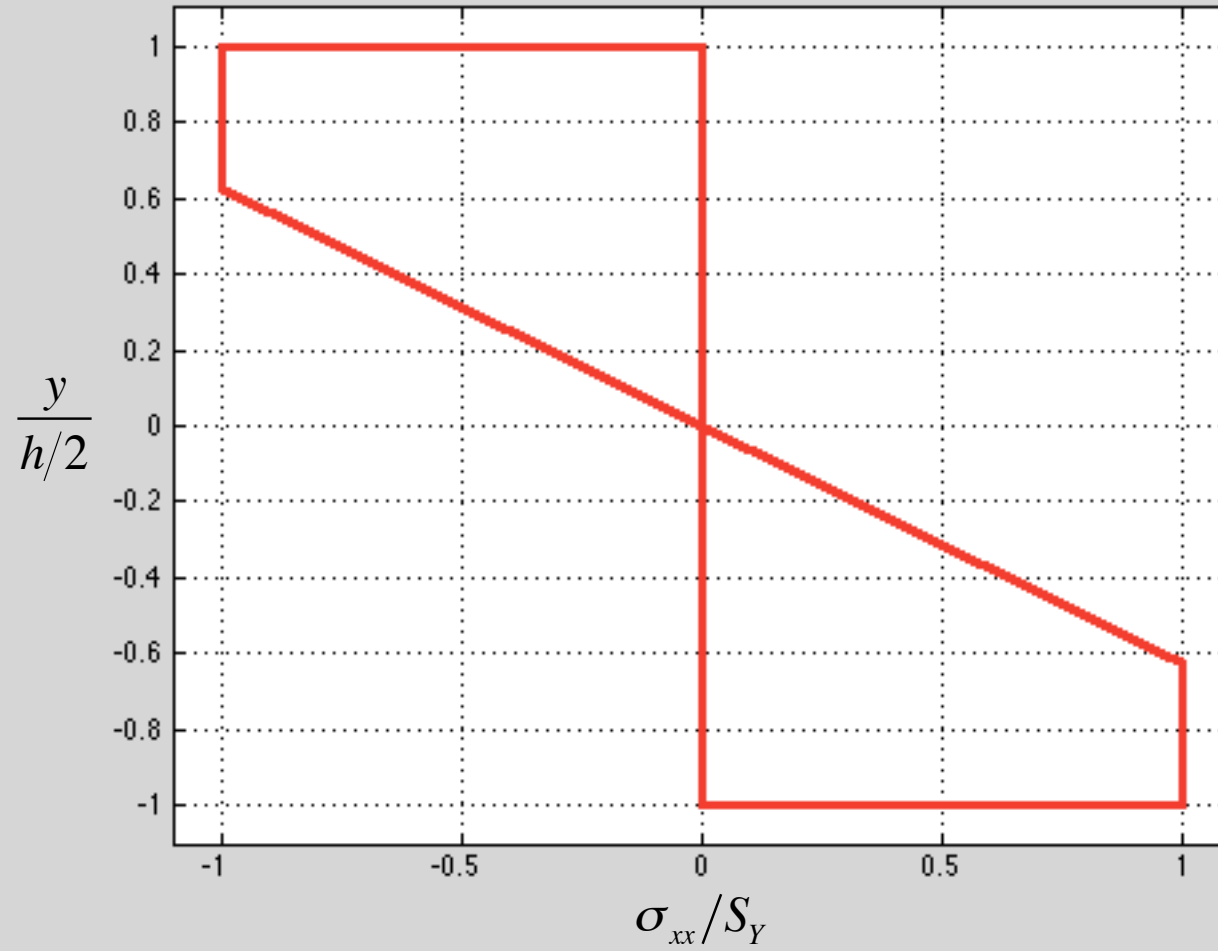
$$\kappa/\kappa_Y = 1.4$$

$$M/M_Y = 1.24$$



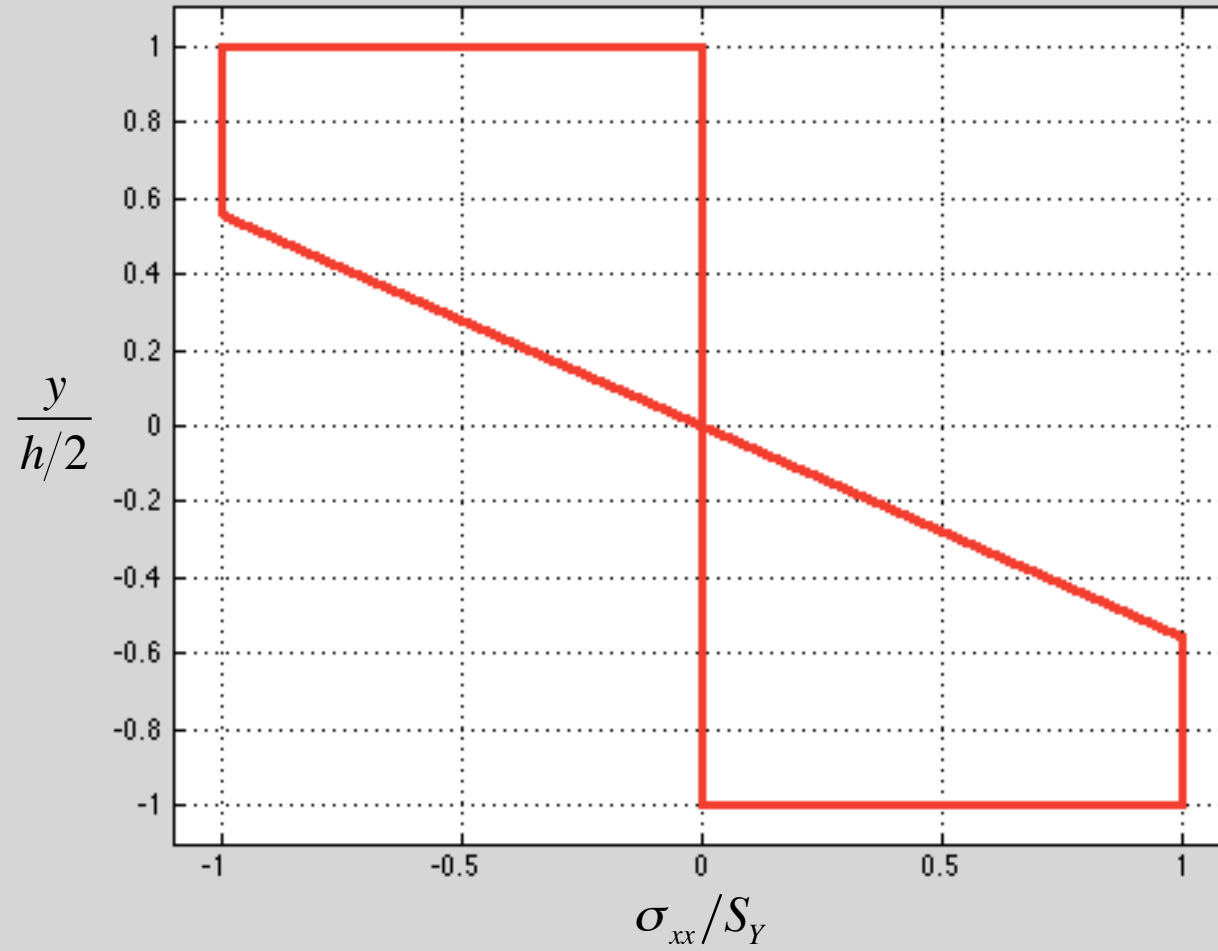
$$\kappa/\kappa_Y = 1.6$$

$$M/M_Y = 1.30$$



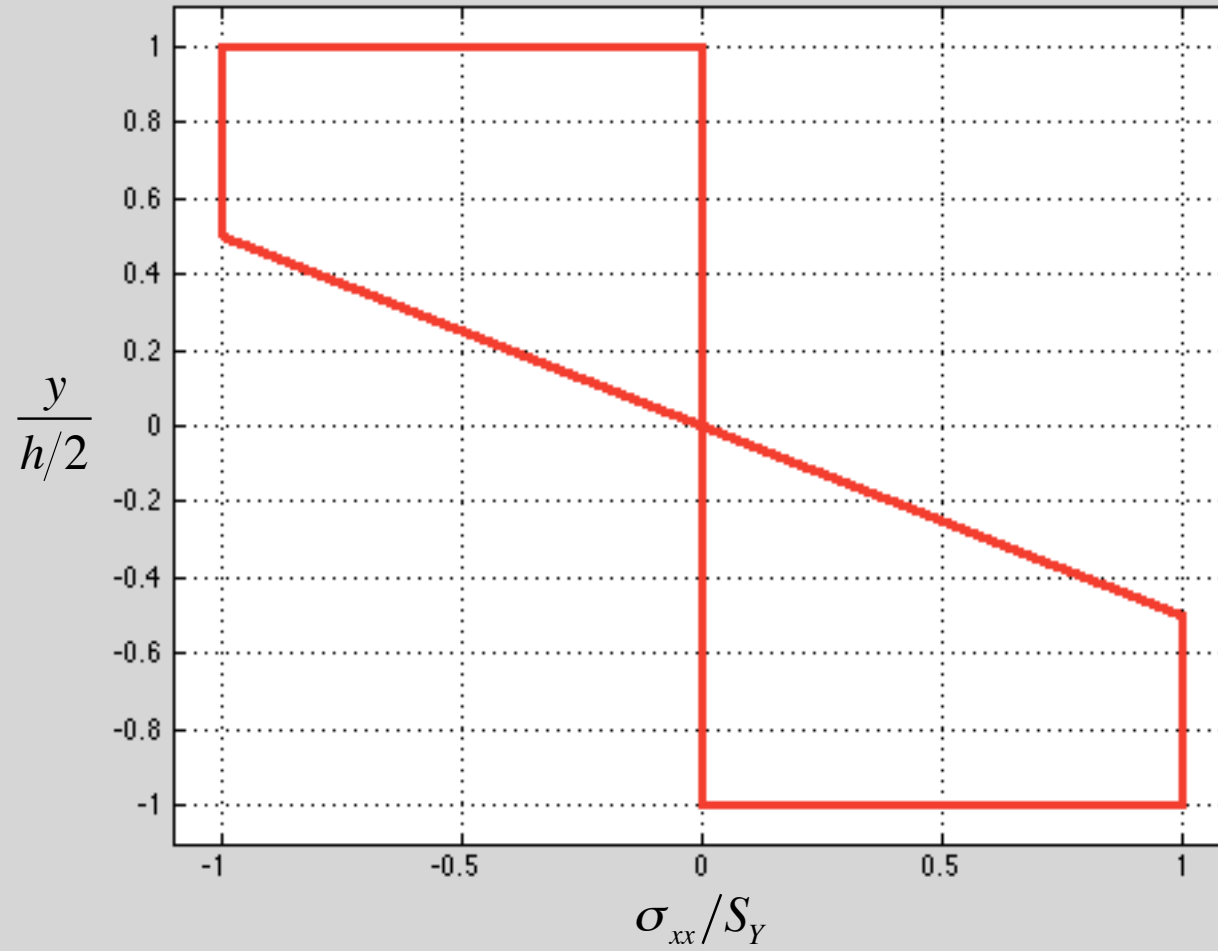
$$\kappa/\kappa_Y = 1.8$$

$$M/M_Y = 1.35$$



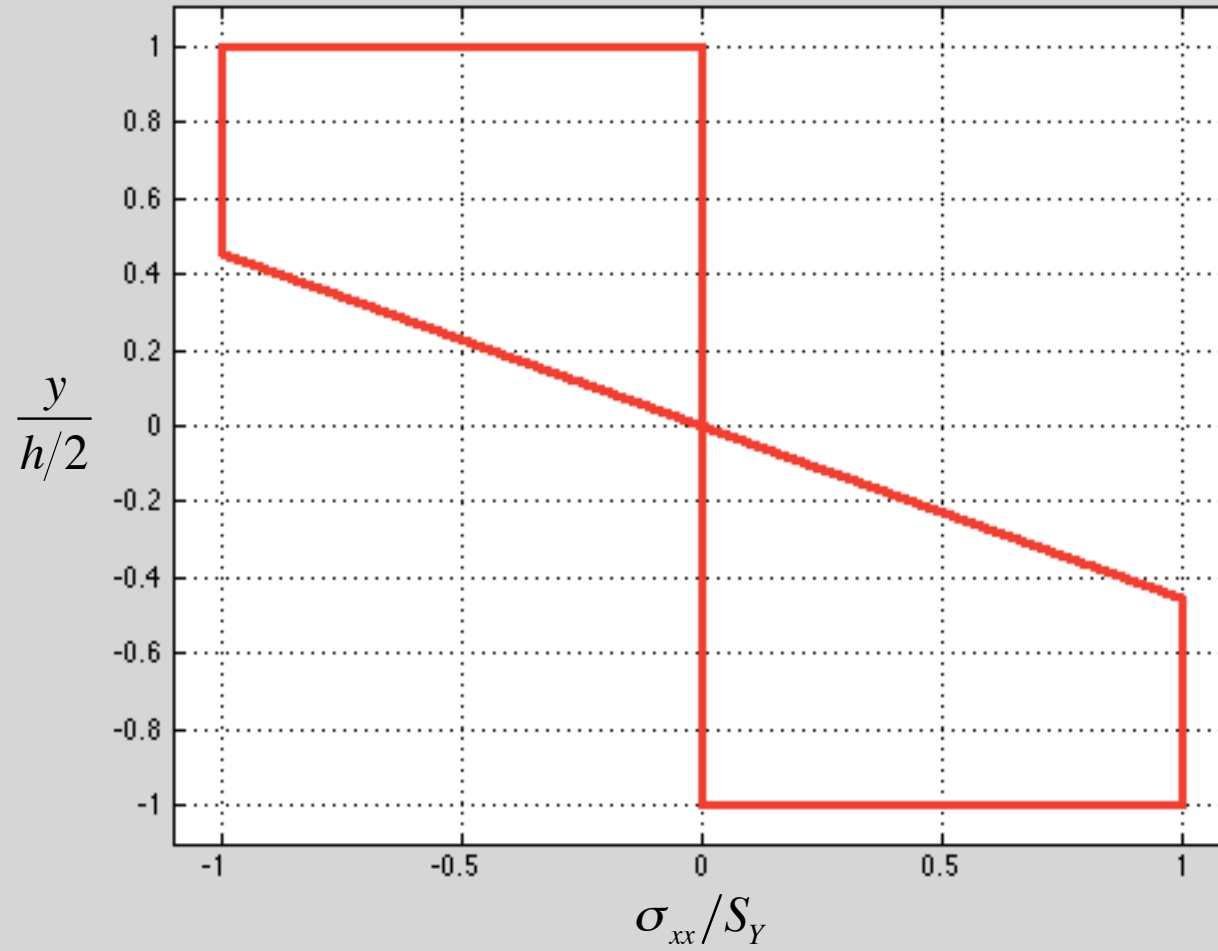
$$\kappa/\kappa_Y = 2.0$$

$$M/M_Y = 1.38$$



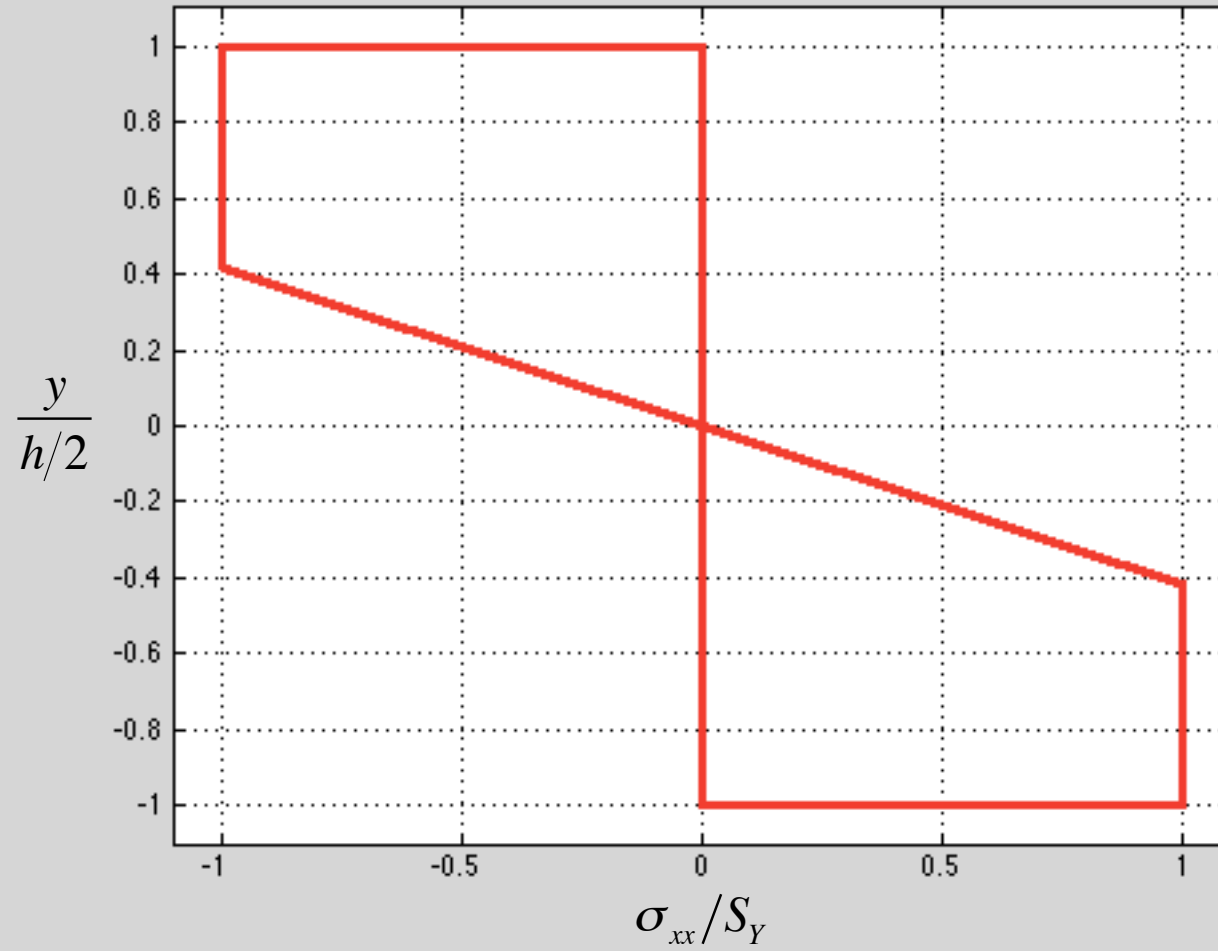
$$\kappa/\kappa_Y = 2.2$$

$$M/M_Y = 1.40$$



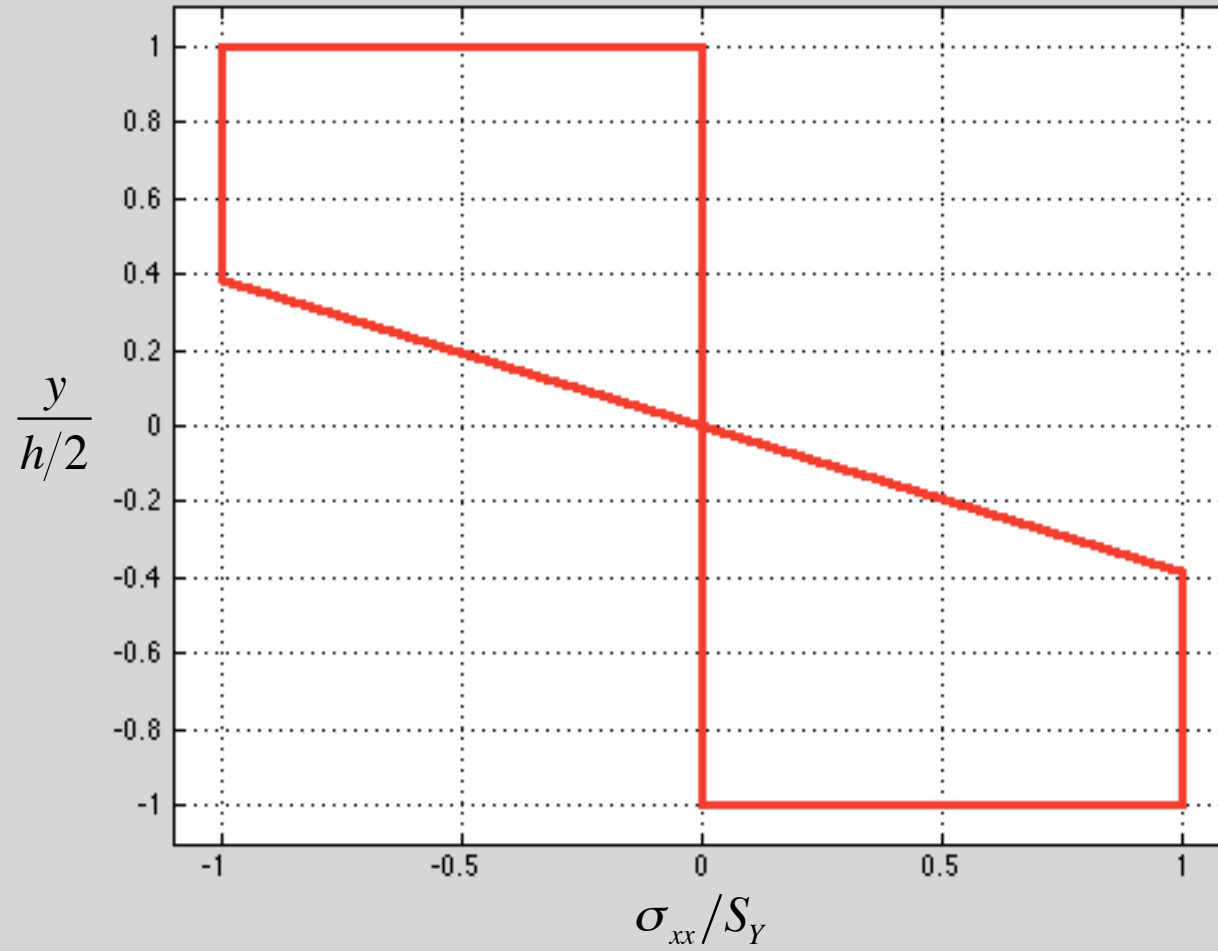
$$\kappa/\kappa_Y = 2.4$$

$$M/M_Y = 1.41$$



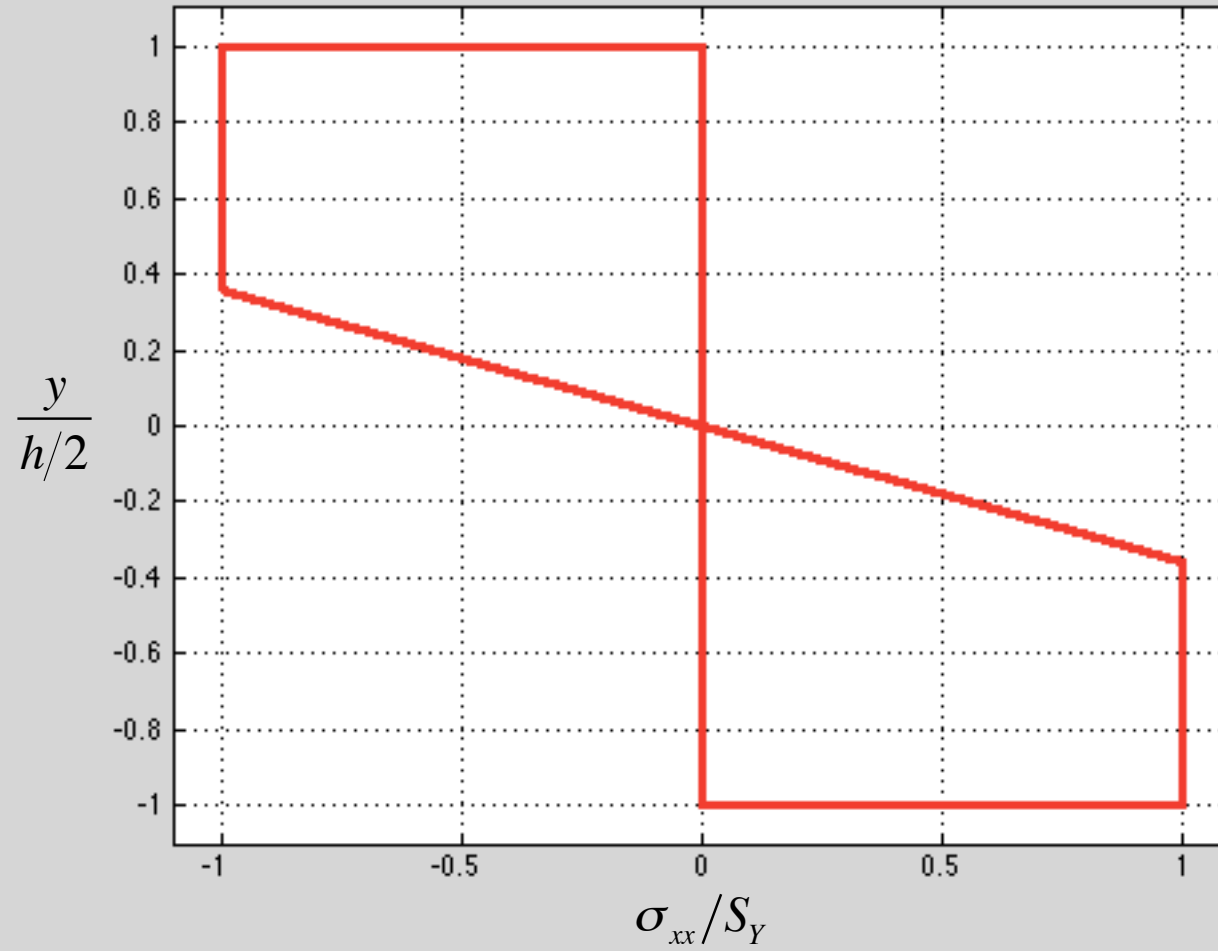
$$\kappa/\kappa_Y = 2.6$$

$$M/M_Y = 1.43$$



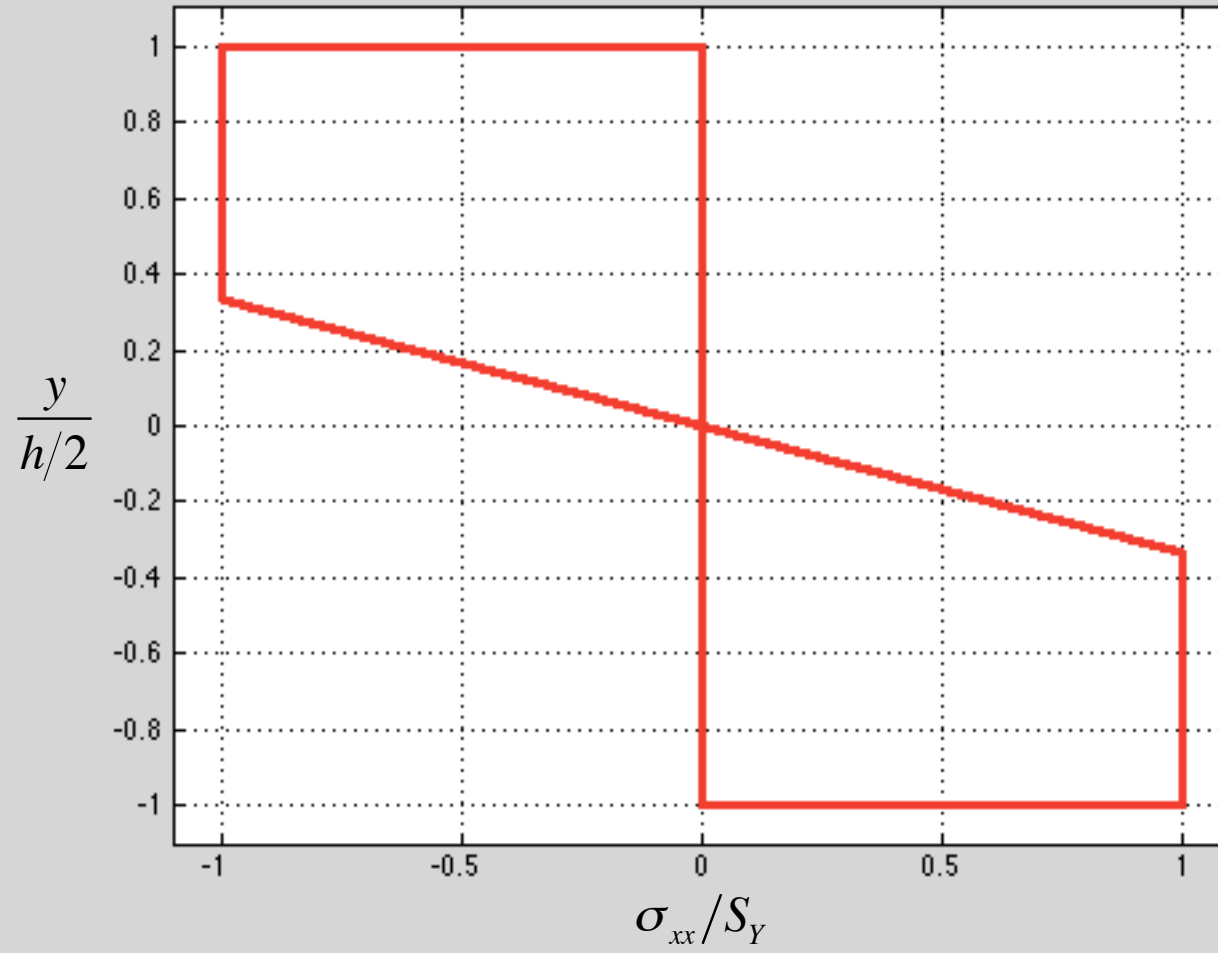
$$\kappa/\kappa_Y = 2.8$$

$$M/M_Y = 1.44$$



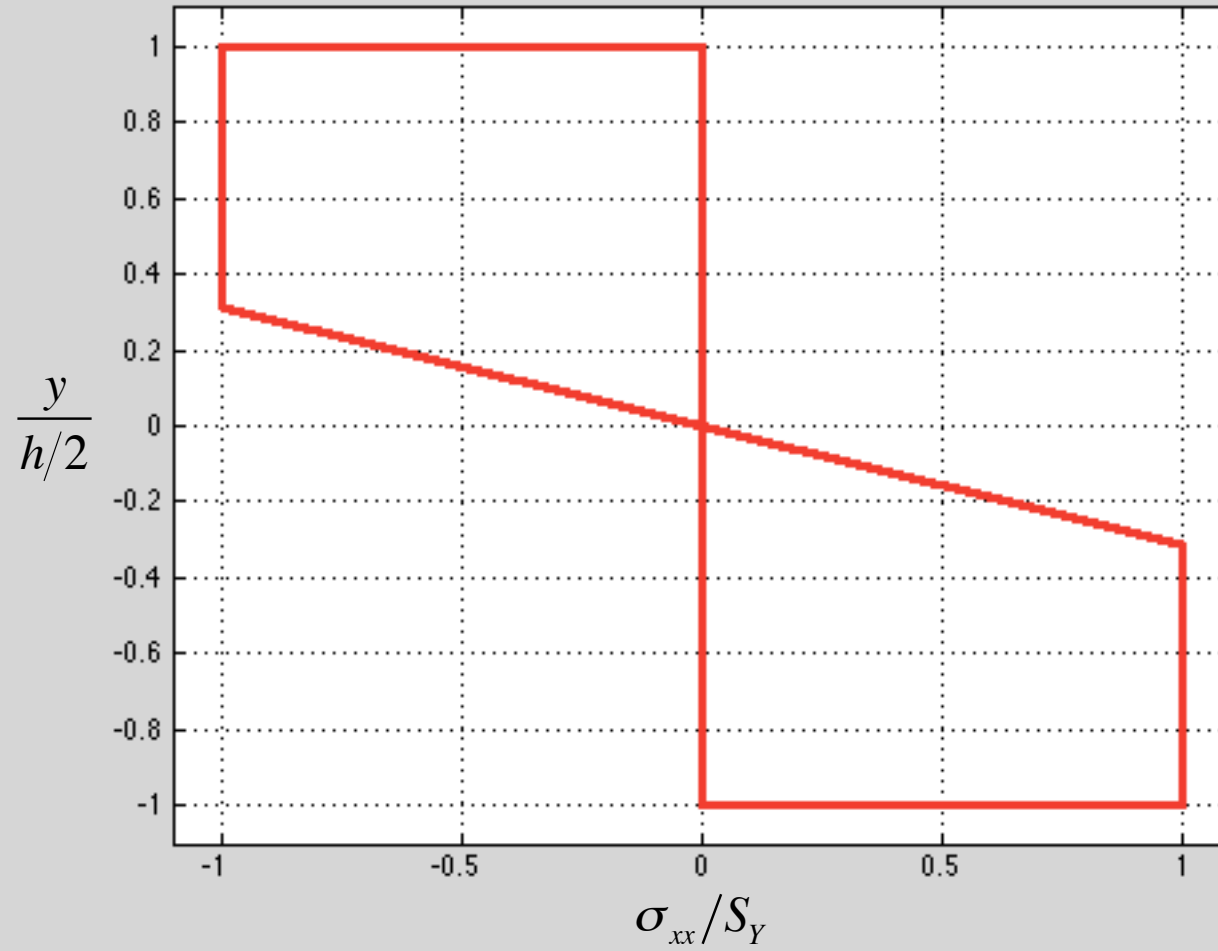
$$\kappa/\kappa_Y = 3.0$$

$$M/M_Y = 1.44$$



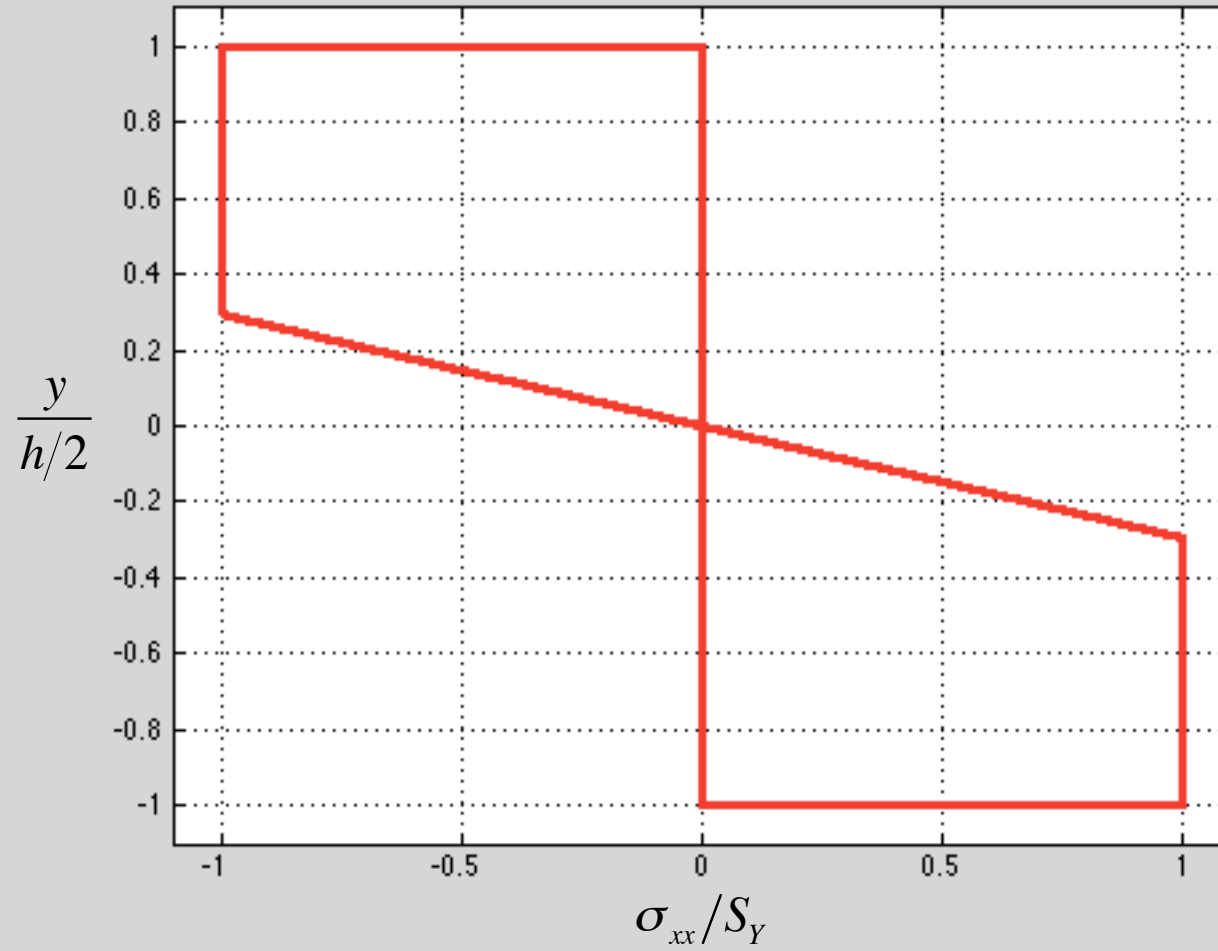
$$\kappa/\kappa_Y = 3.2$$

$$M/M_Y = 1.45$$



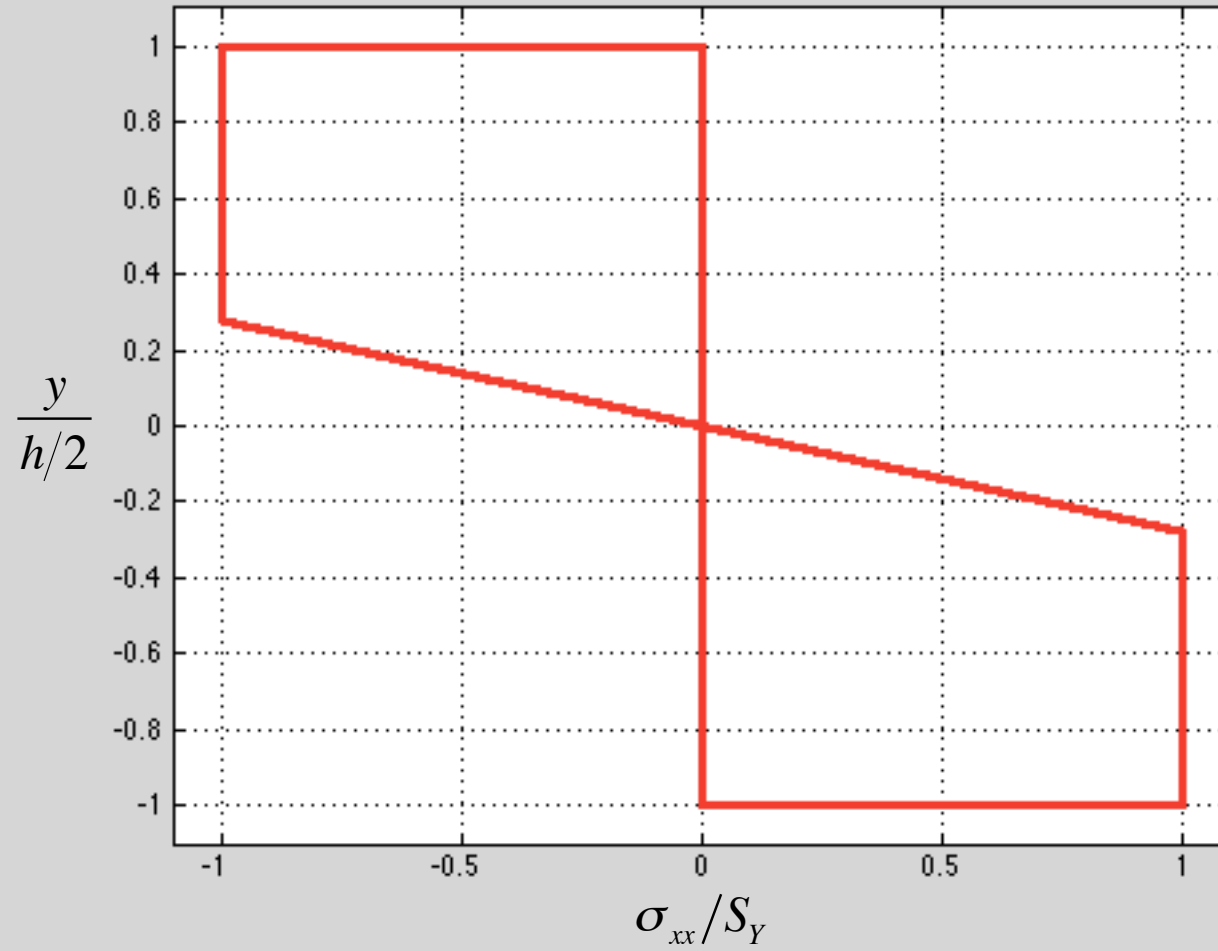
$$\kappa/\kappa_Y = 3.4$$

$$M/M_Y = 1.46$$



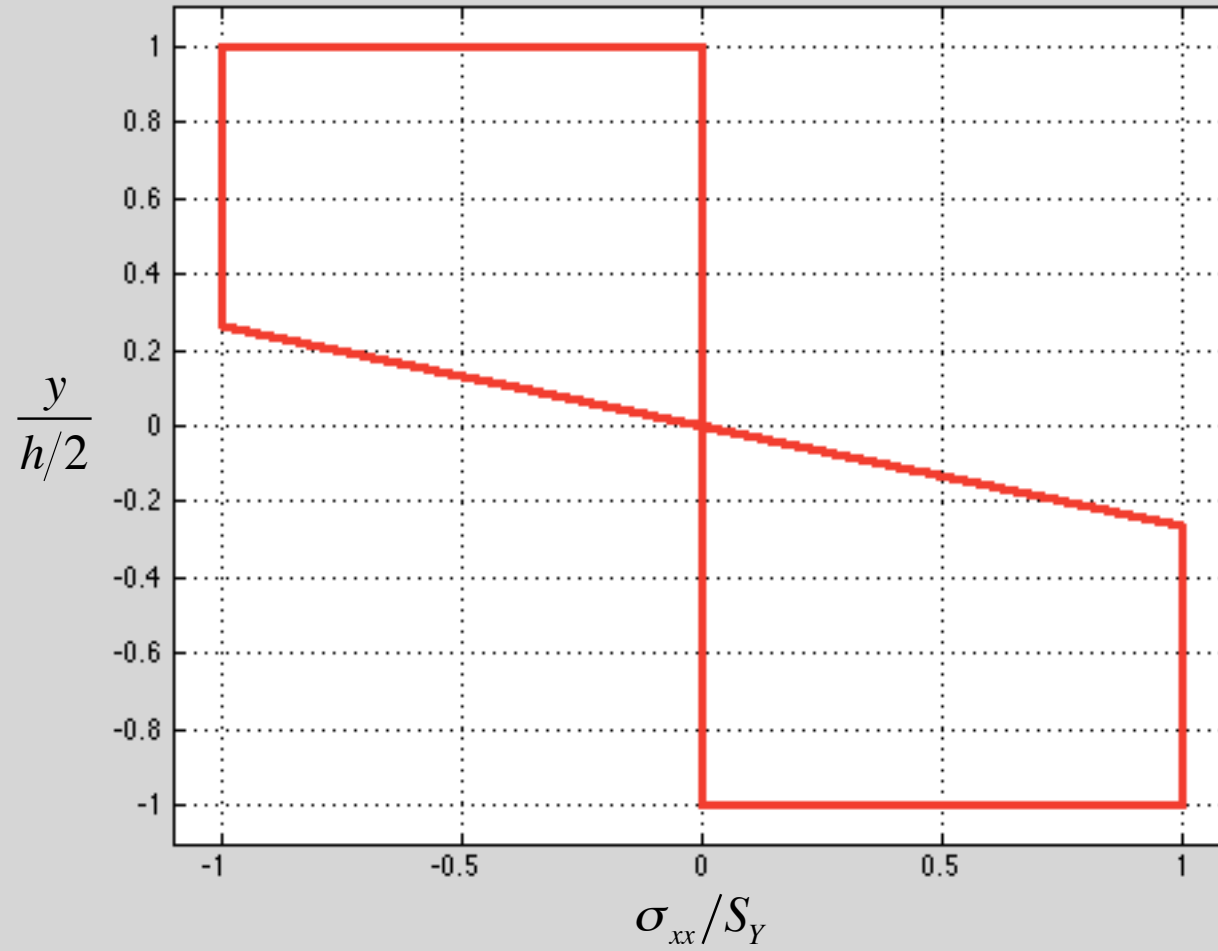
$$\kappa/\kappa_Y = 3.6$$

$$M/M_Y = 1.46$$



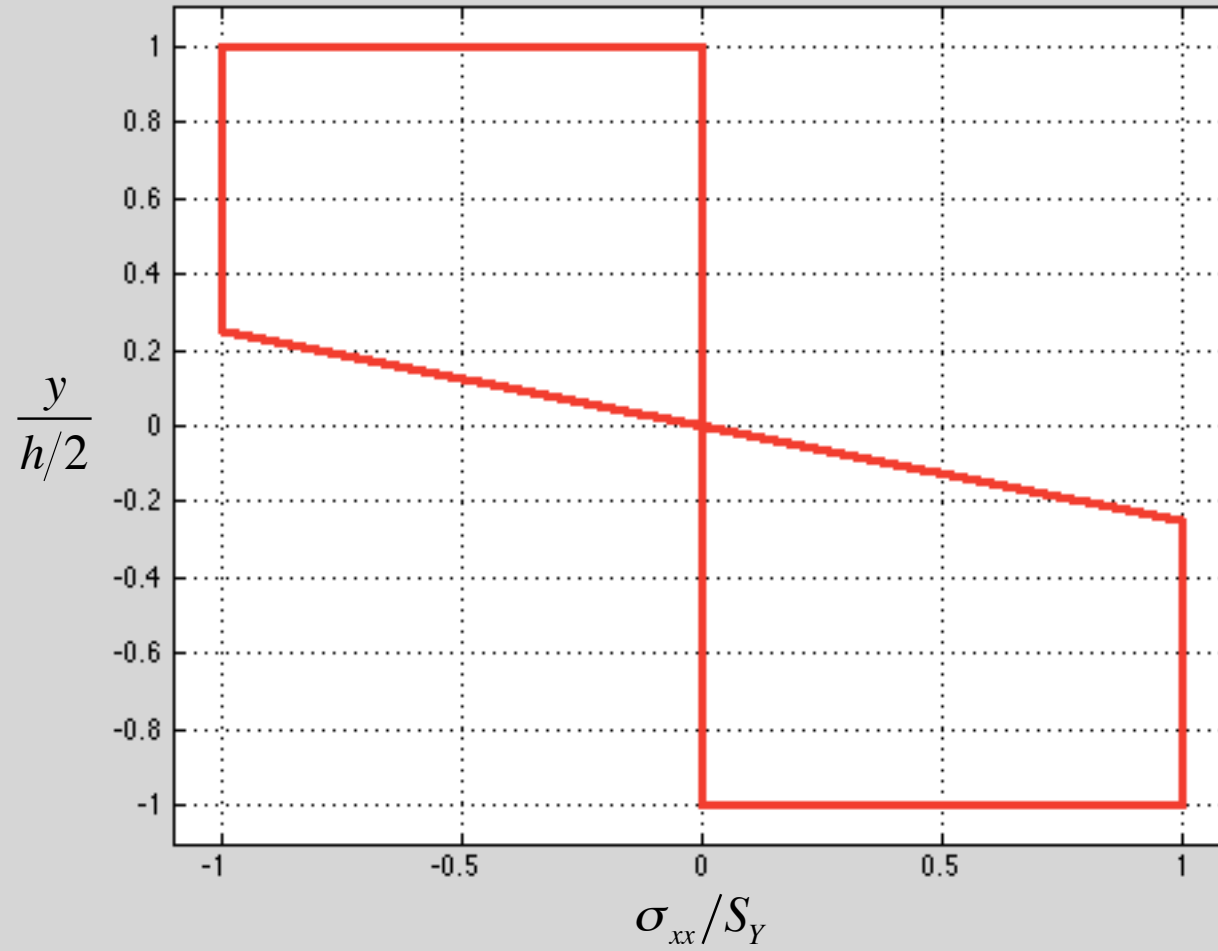
$$\kappa/\kappa_Y = 3.8$$

$$M/M_Y = 1.47$$



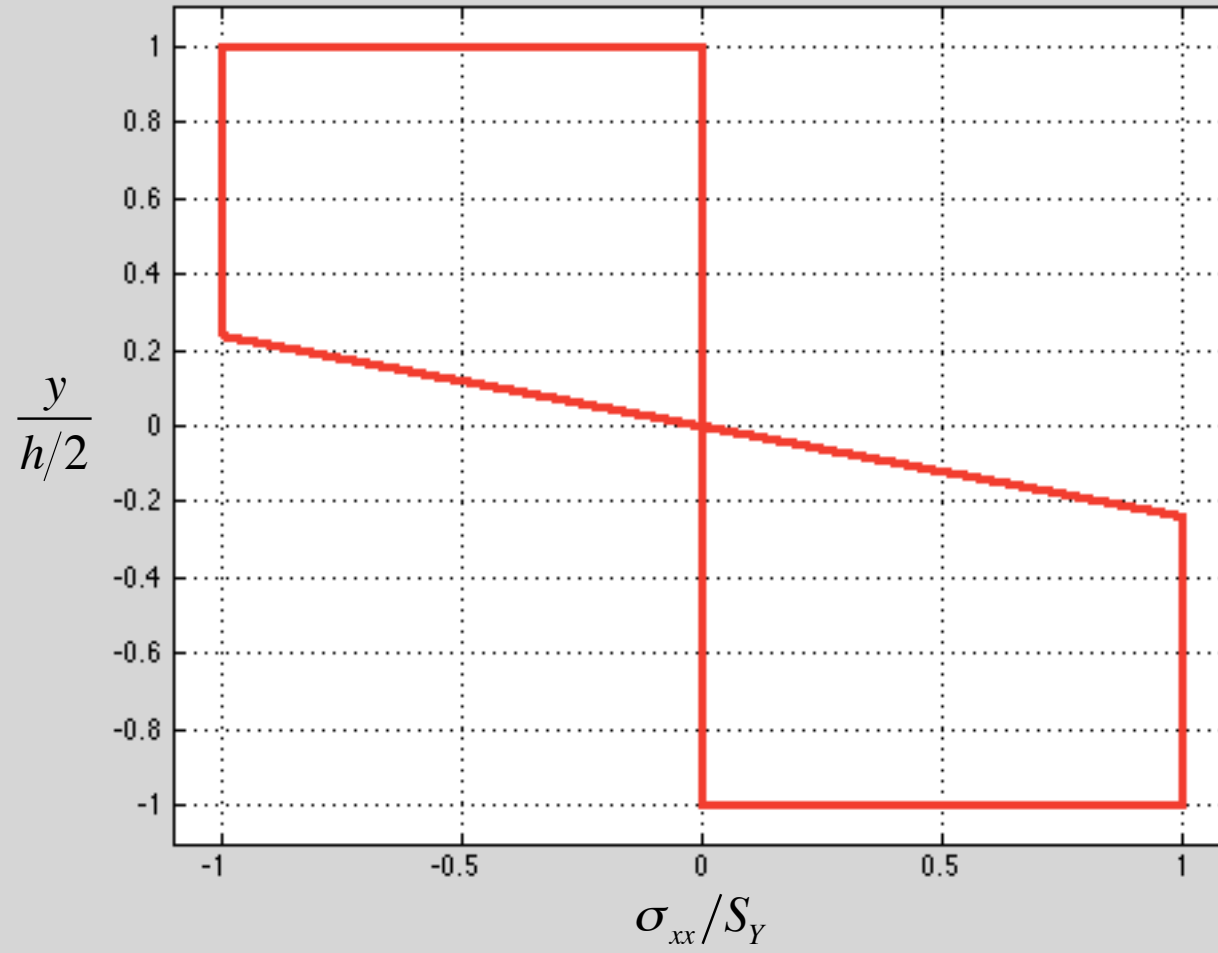
$$\kappa/\kappa_Y = 4.0$$

$$M/M_Y = 1.47$$



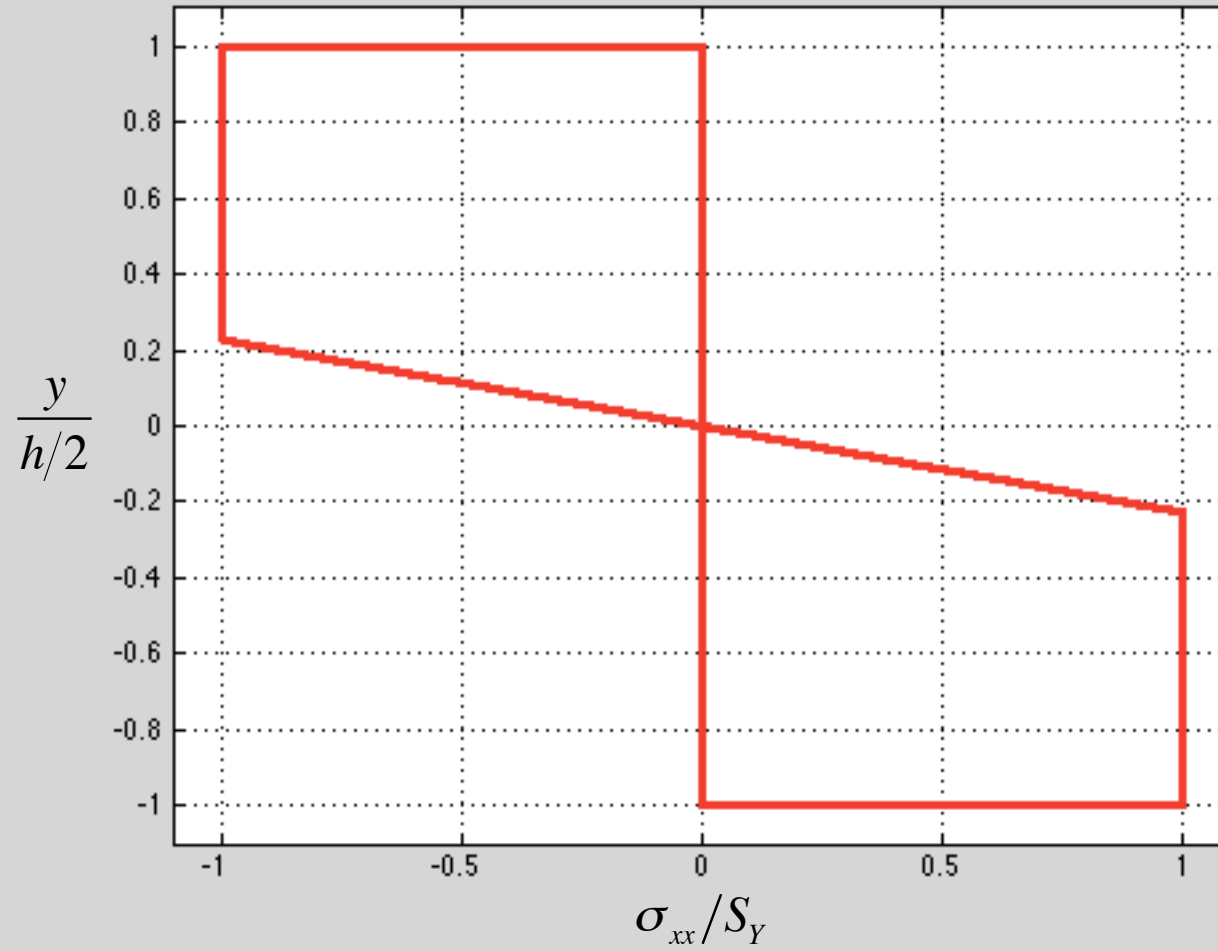
$$\kappa/\kappa_Y = 4.2$$

$$M/M_Y = 1.47$$



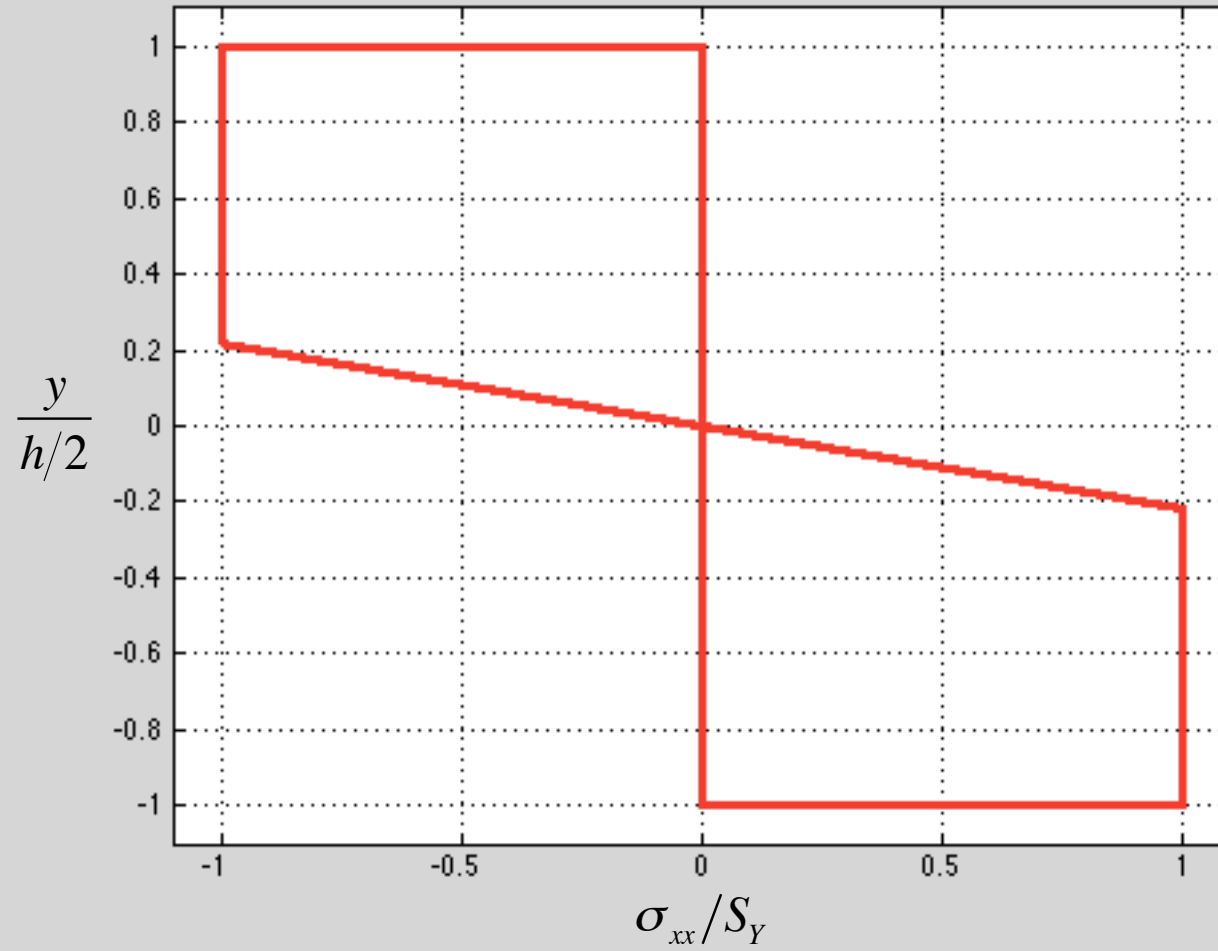
$$\kappa/\kappa_Y = 4.4$$

$$M/M_Y = 1.47$$



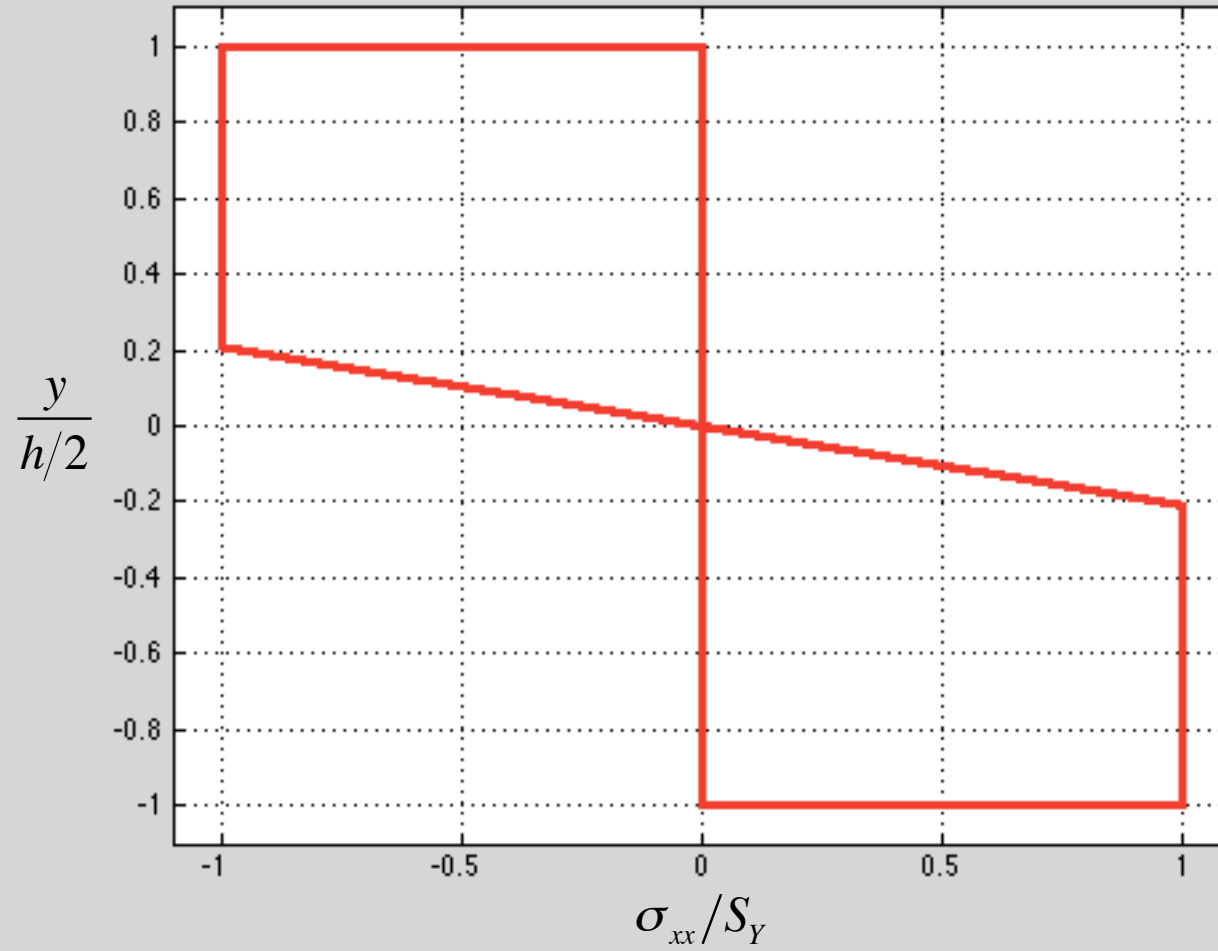
$$\kappa/\kappa_Y = 4.6$$

$$M/M_Y = 1.48$$



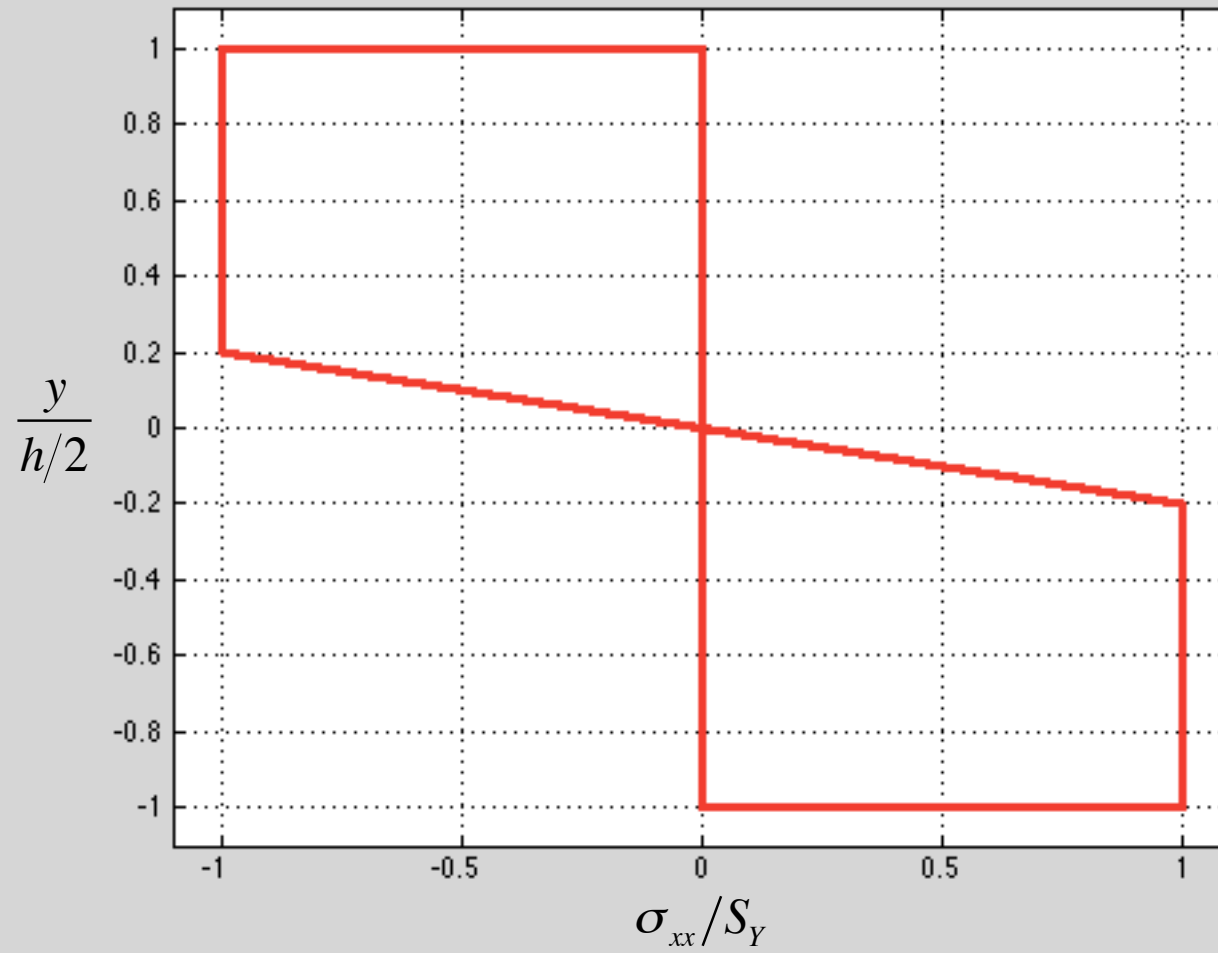
$$\kappa/\kappa_Y = 4.8$$

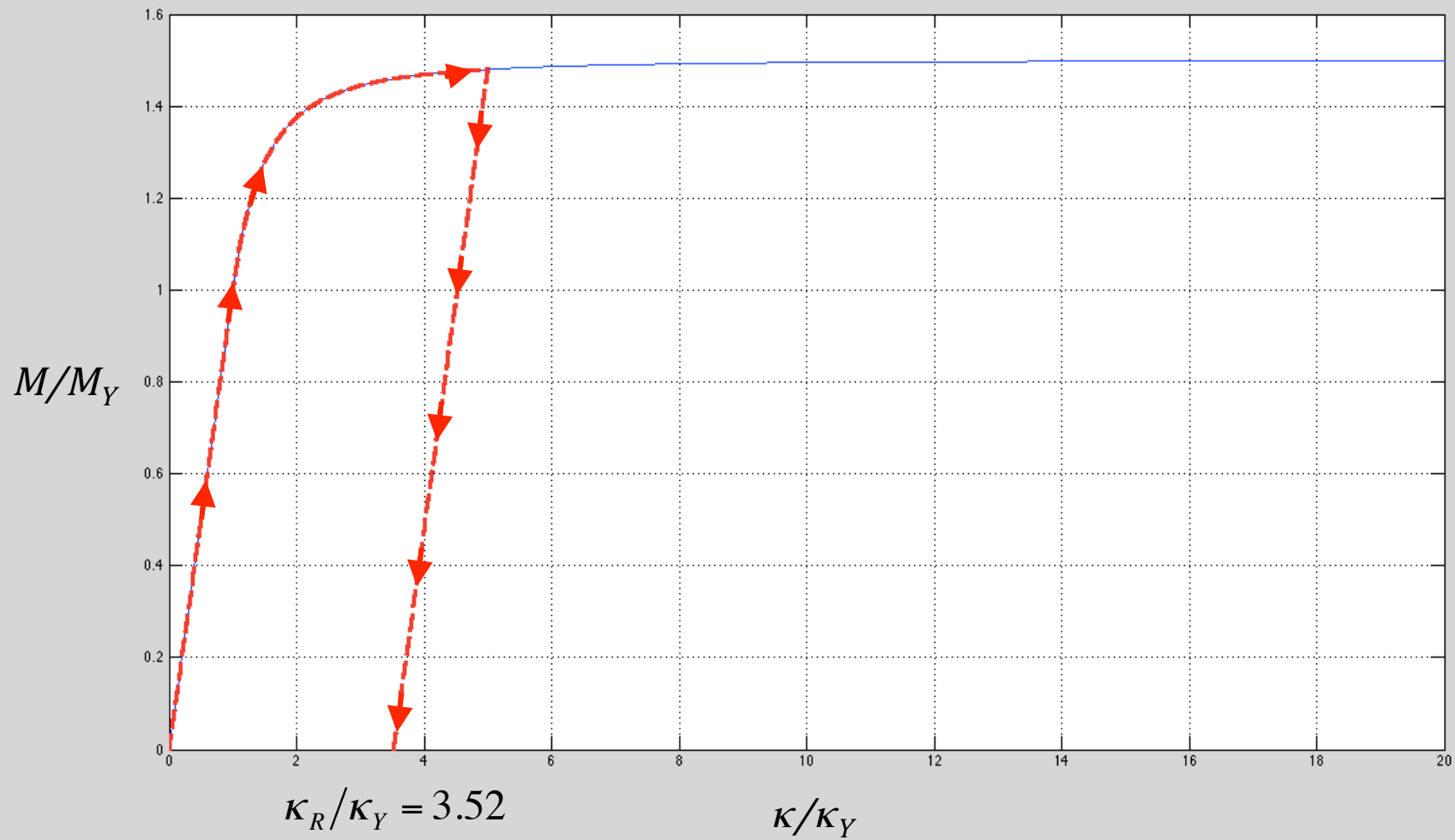
$$M/M_Y = 1.48$$



$$\kappa/\kappa_Y = 5$$

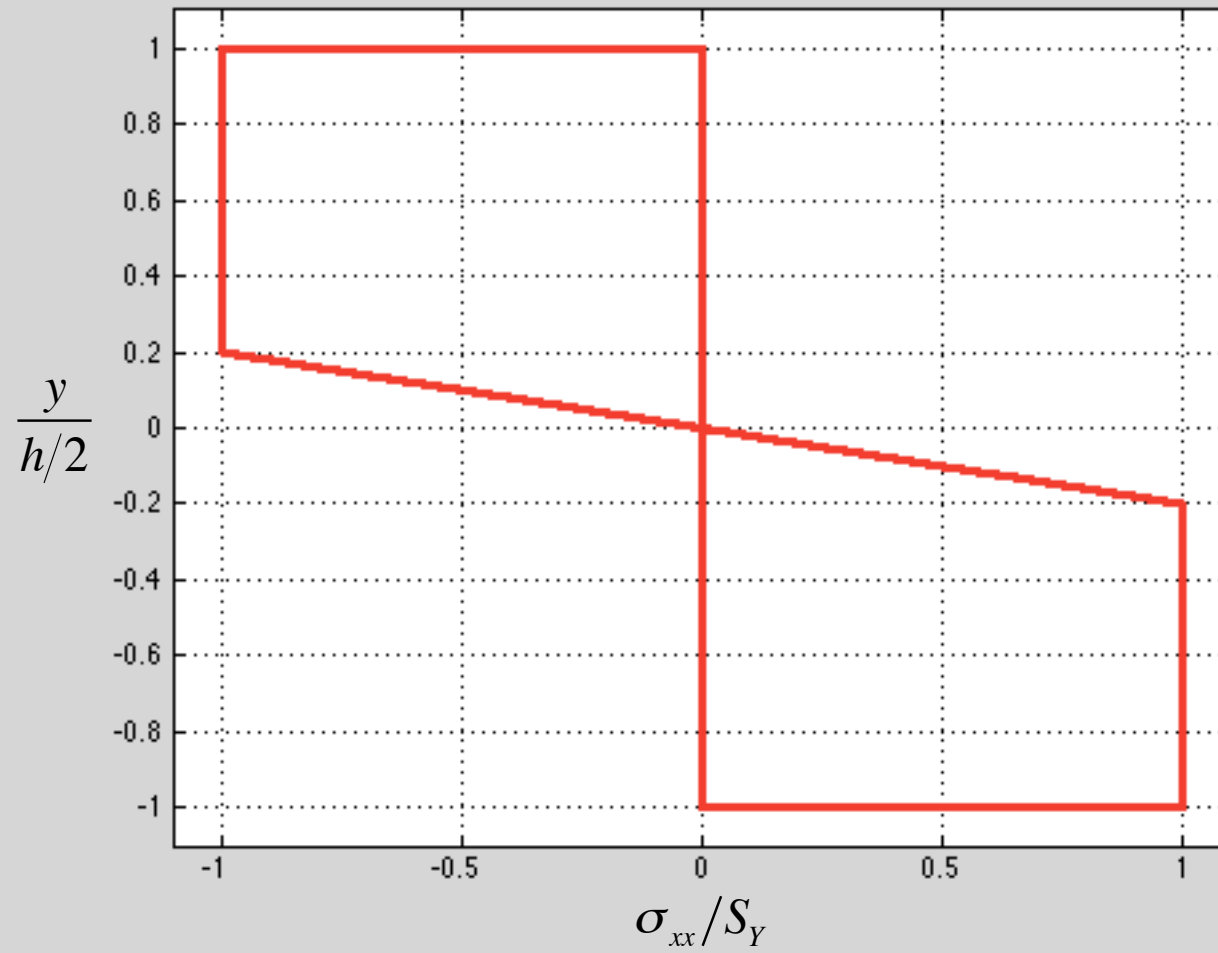
$$M/M_Y = 1.48$$





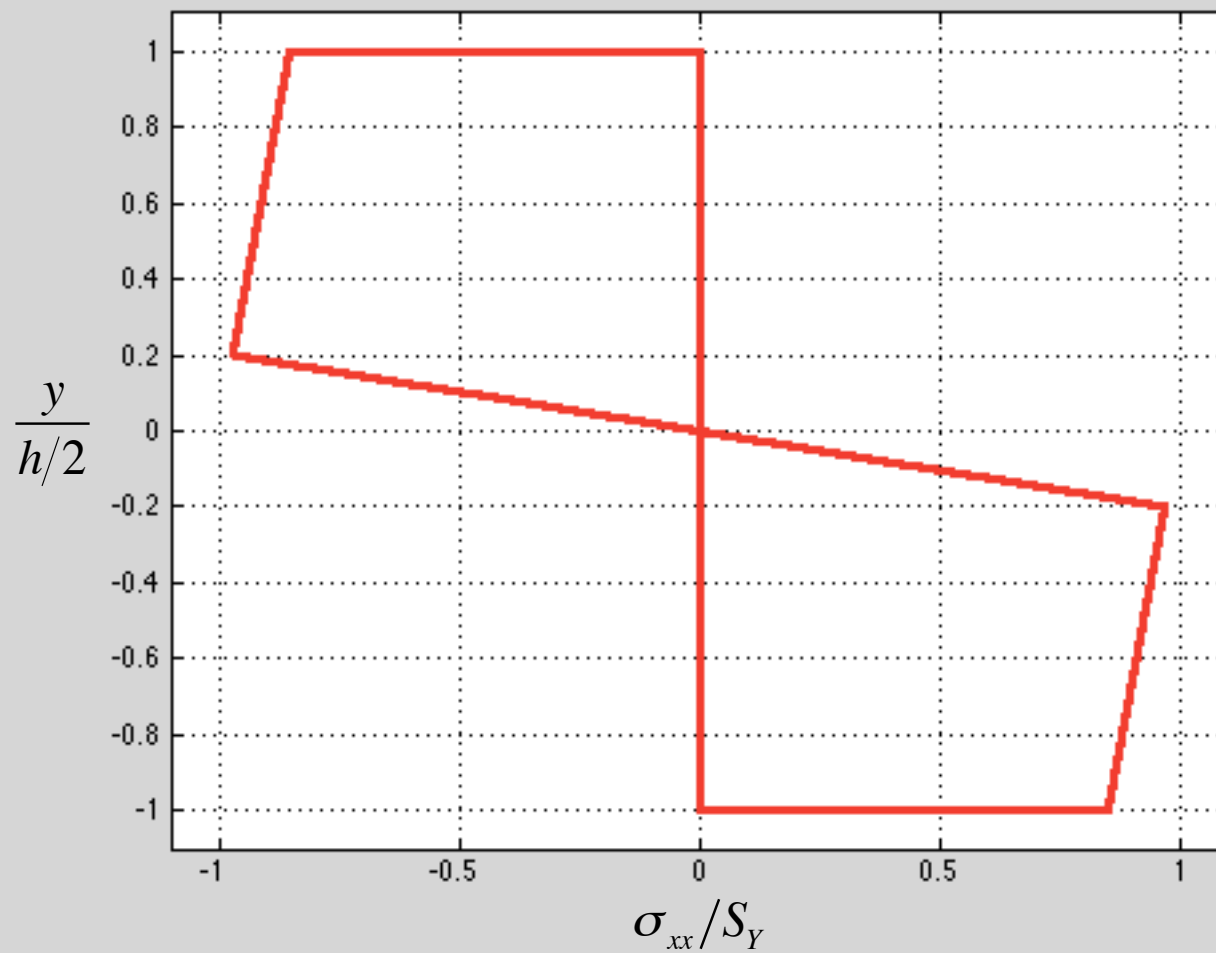
$$\kappa/\kappa_Y = 5$$

$$M/M_Y = 1.48$$



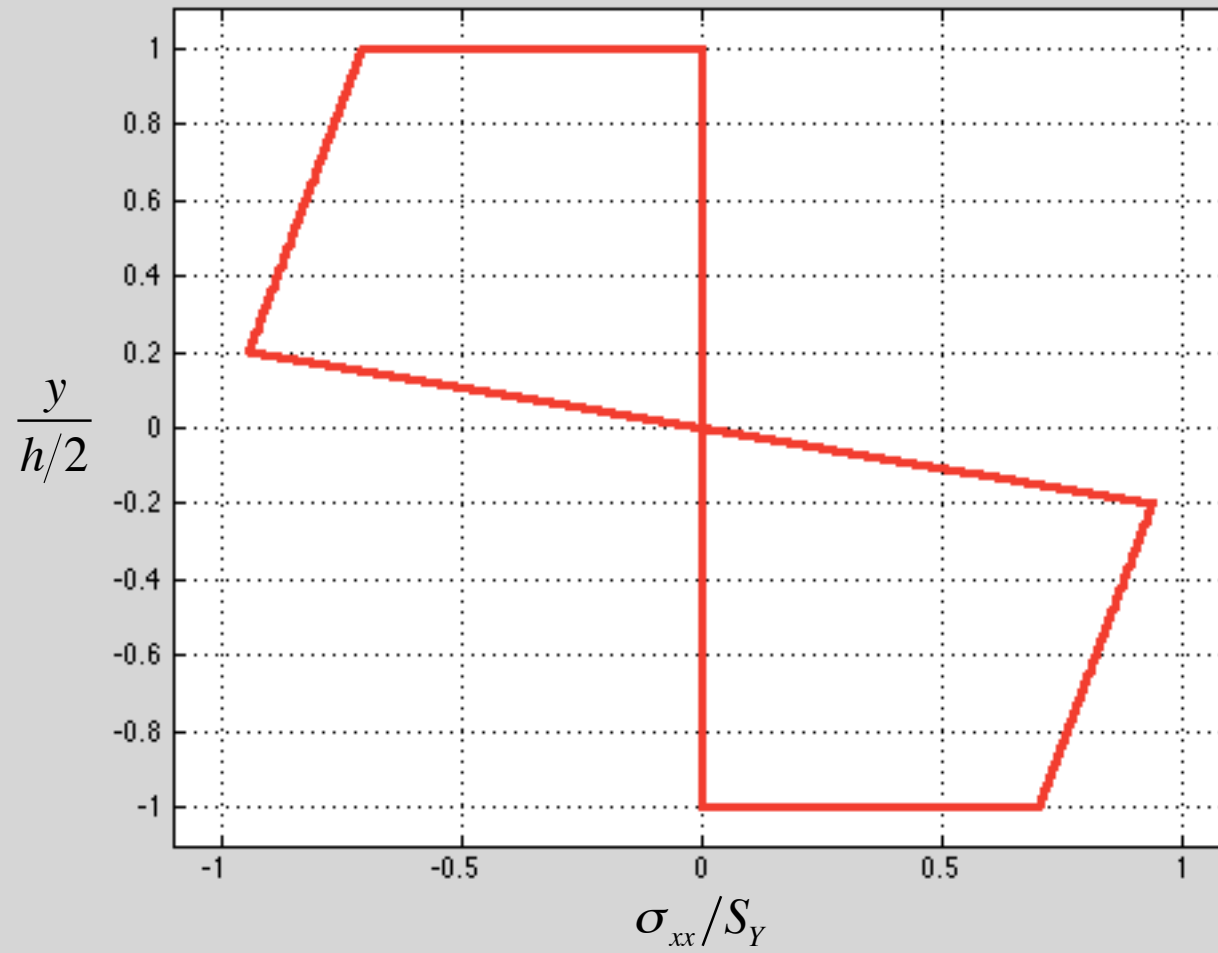
$$\kappa/\kappa_Y = 4.85$$

$$M/M_Y = 1.33$$



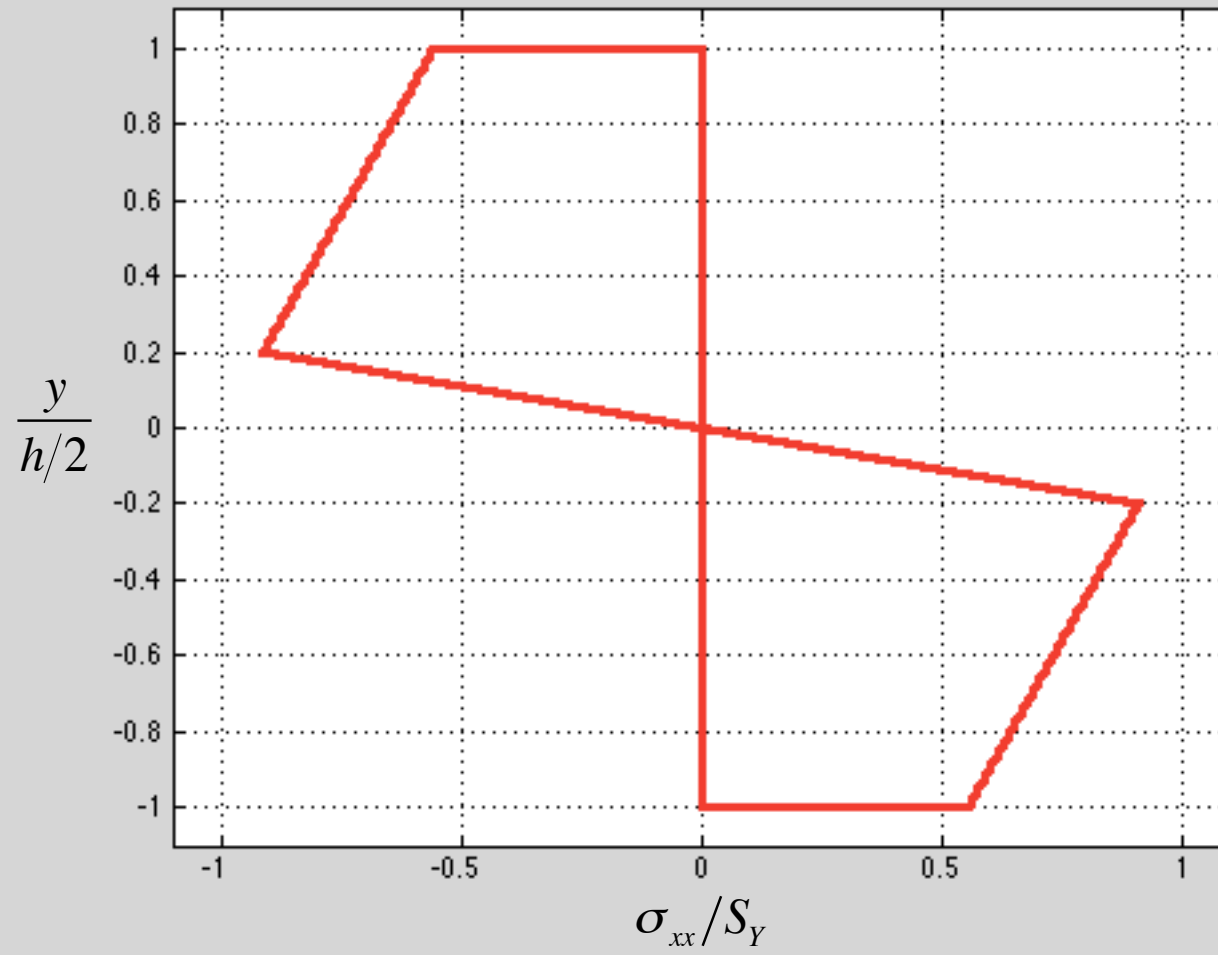
$$\kappa/\kappa_Y = 4.70$$

$$M/M_Y = 1.18$$



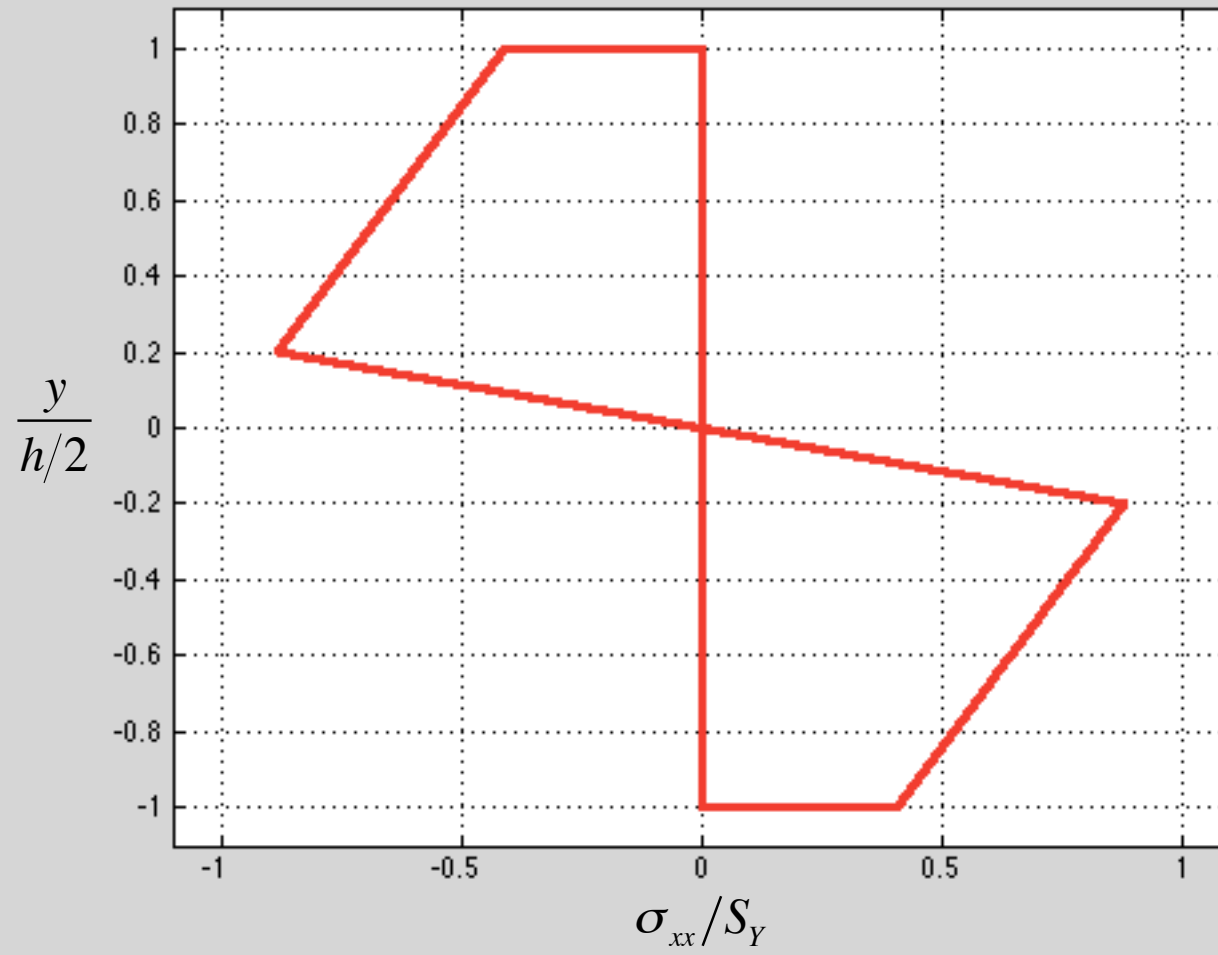
$$\kappa/\kappa_Y = 4.56$$

$$M/M_Y = 1.04$$



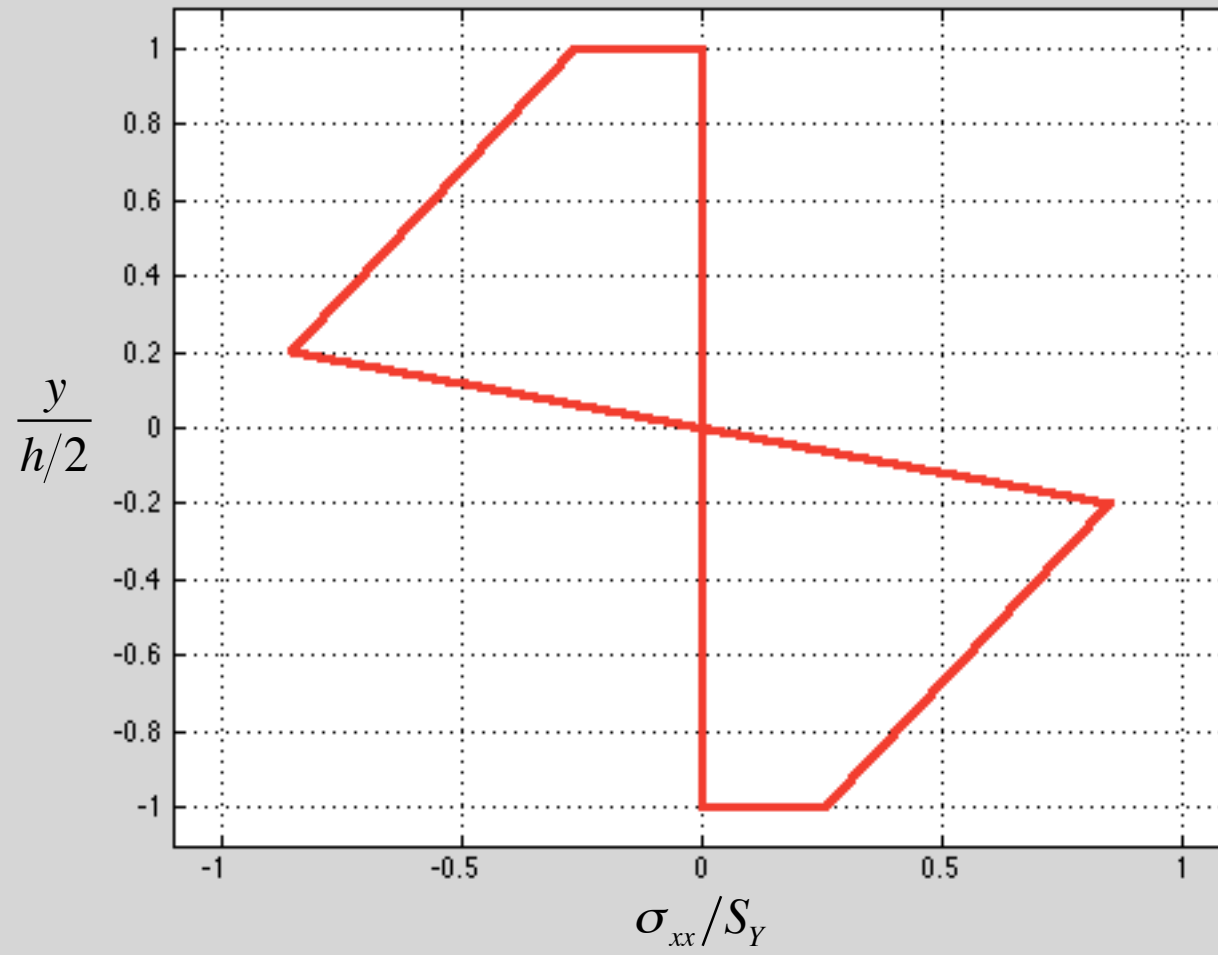
$$\kappa/\kappa_Y = 4.41$$

$$M/M_Y = 0.89$$



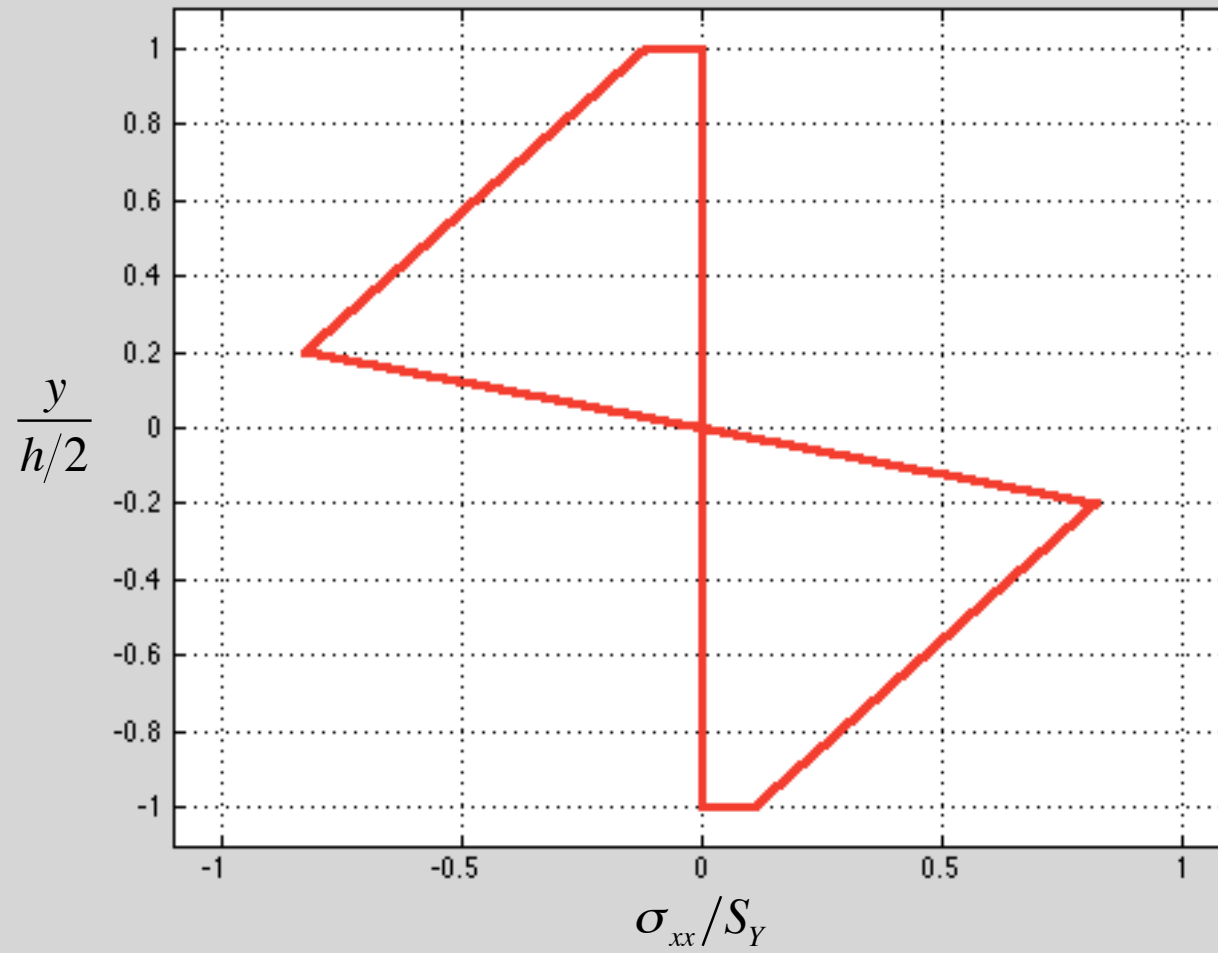
$$\kappa/\kappa_Y = 4.26$$

$$M/M_Y = 0.74$$



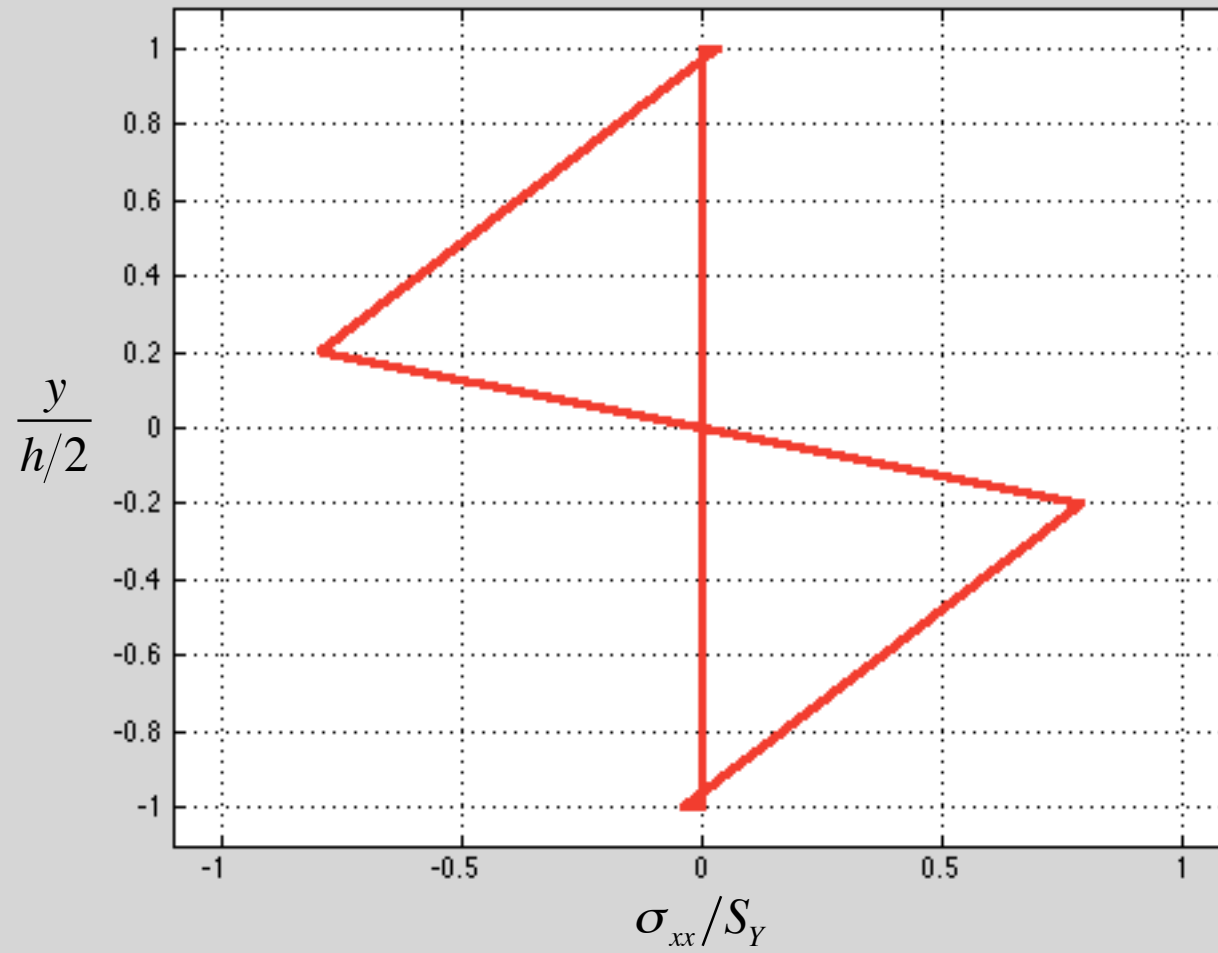
$$\kappa/\kappa_Y = 4.11$$

$$M/M_Y = 0.59$$



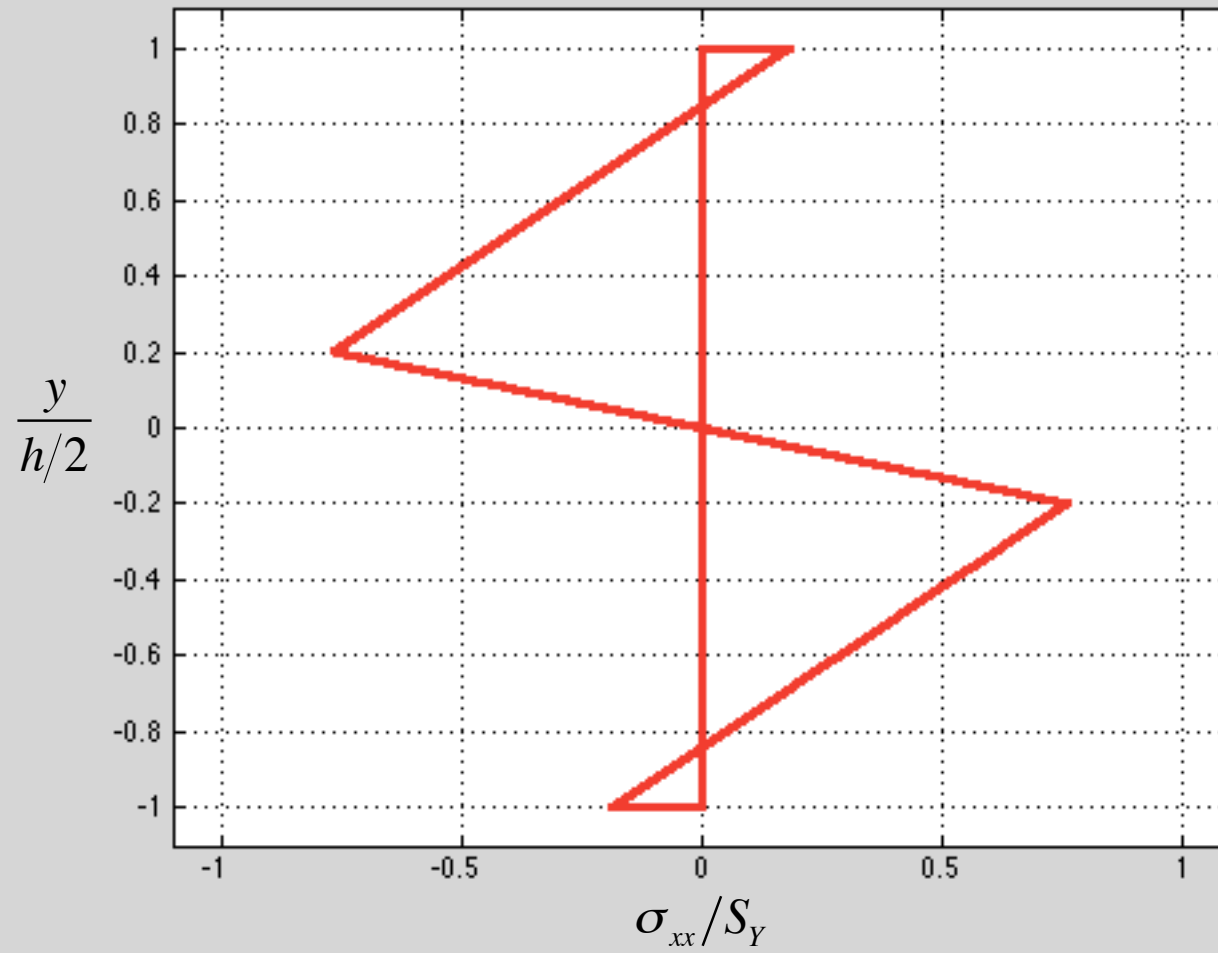
$$\kappa/\kappa_Y = 3.96$$

$$M/M_Y = 0.44$$



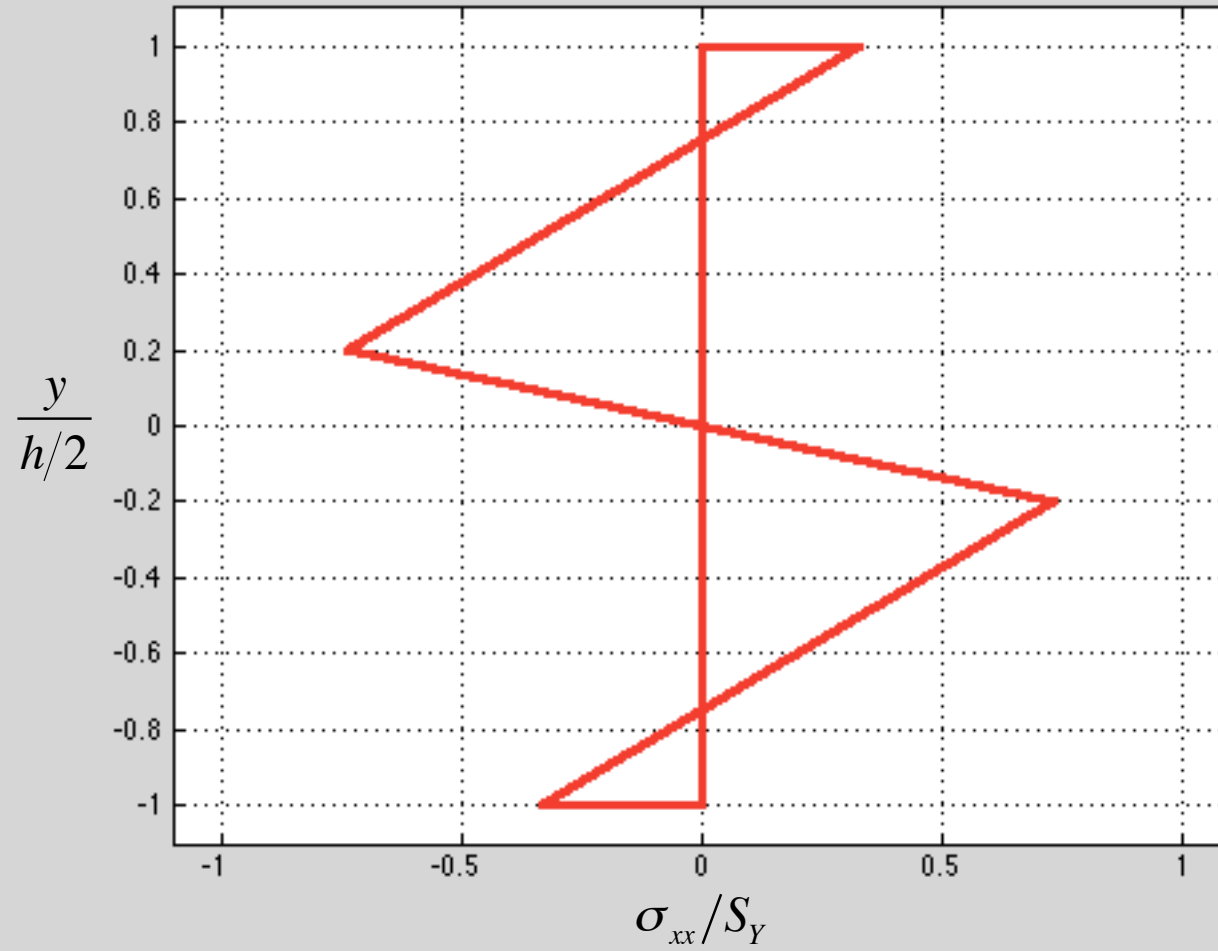
$$\kappa/\kappa_Y = 3.82$$

$$M/M_Y = 0.30$$



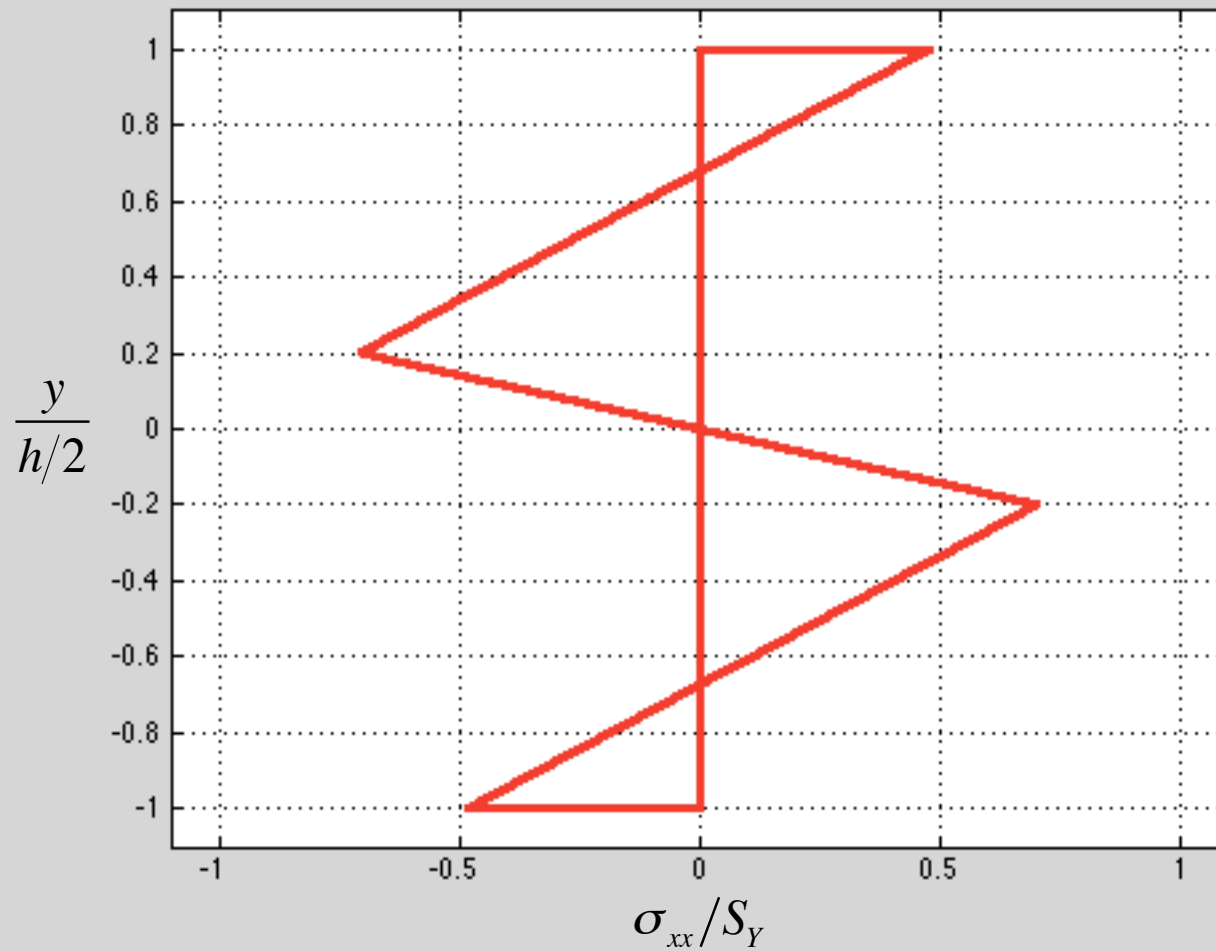
$$\kappa/\kappa_Y = 3.67$$

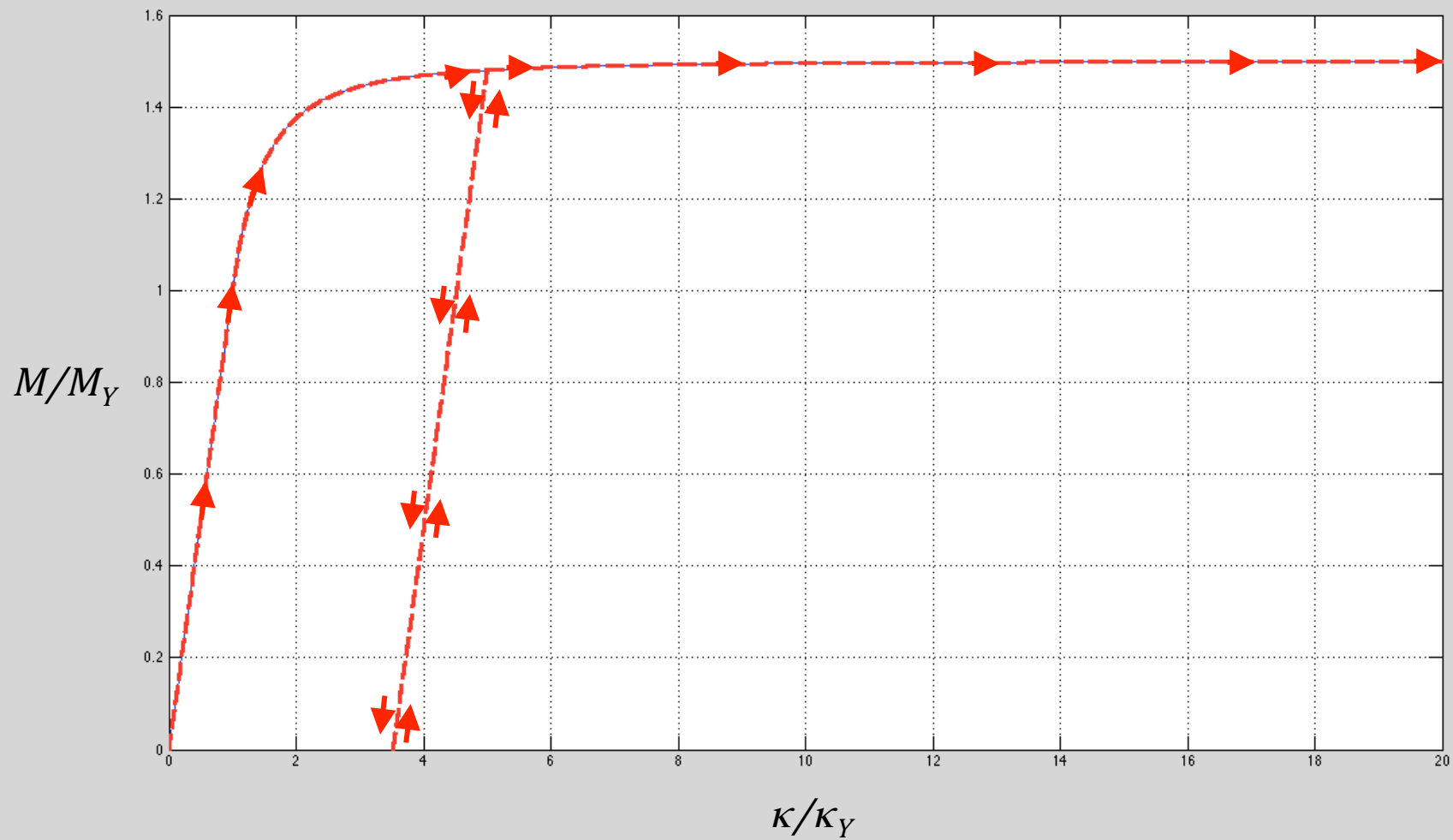
$$M/M_Y = 0.15$$



$$\kappa/\kappa_Y = 3.52$$

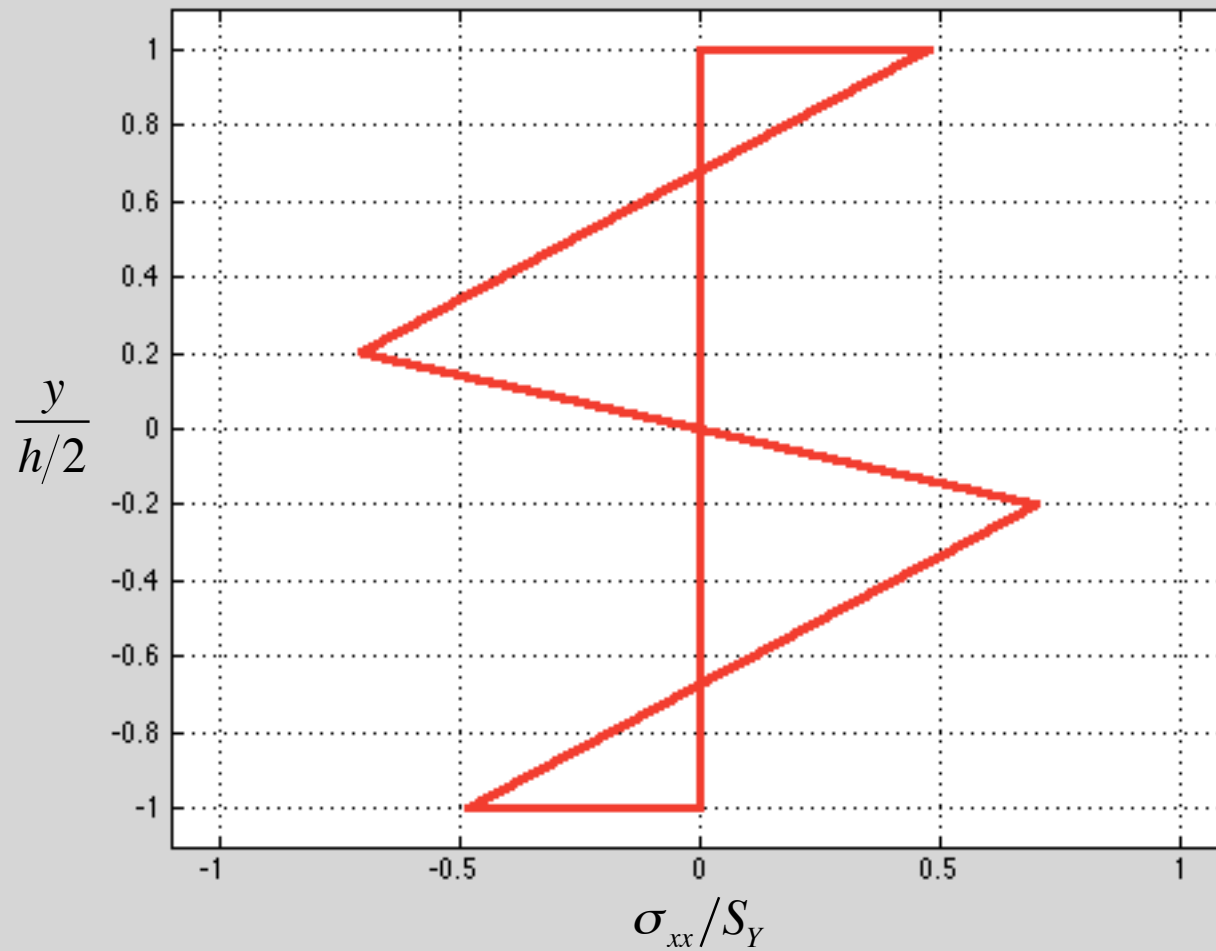
$$M/M_Y = 0$$





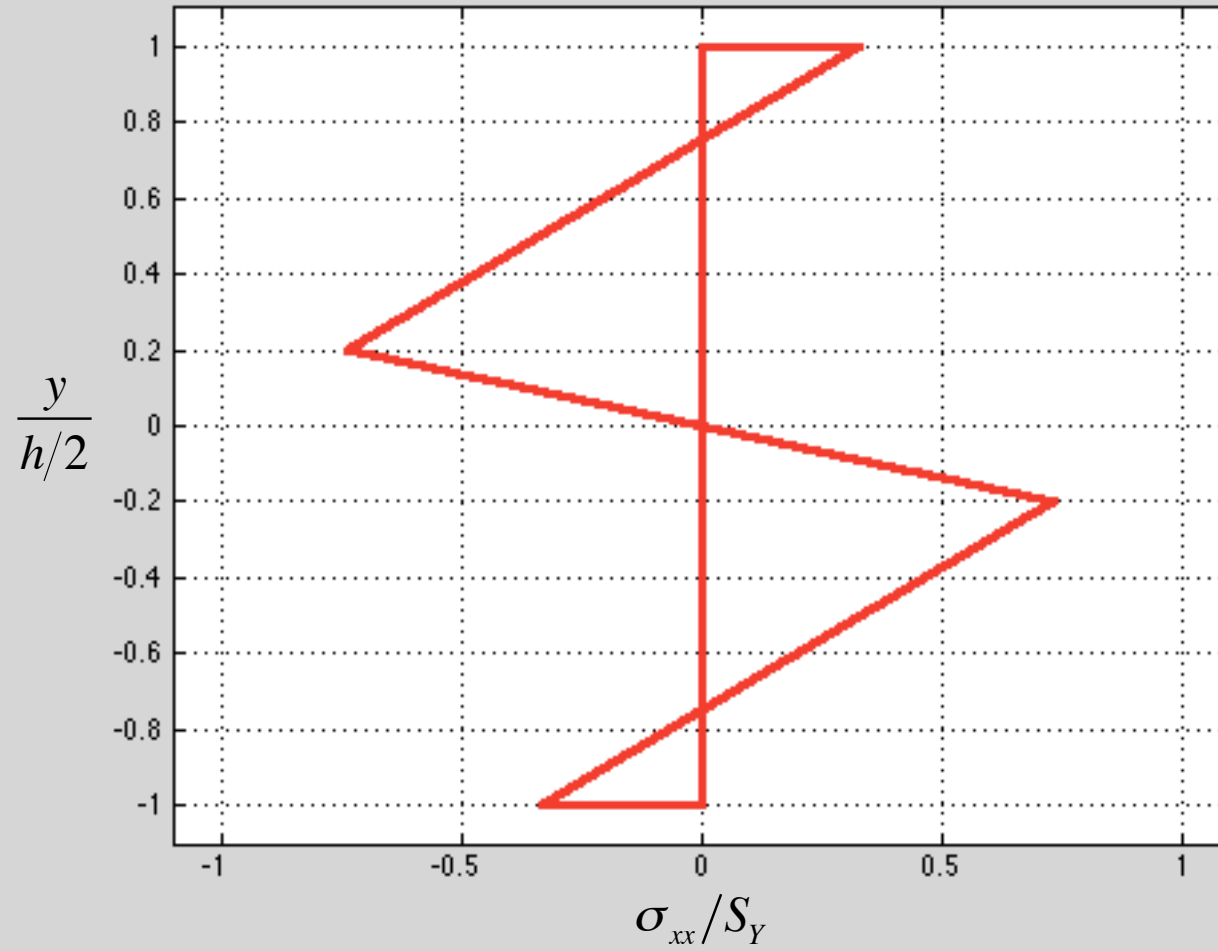
$$\kappa/\kappa_Y = 3.52$$

$$M/M_Y = 0$$



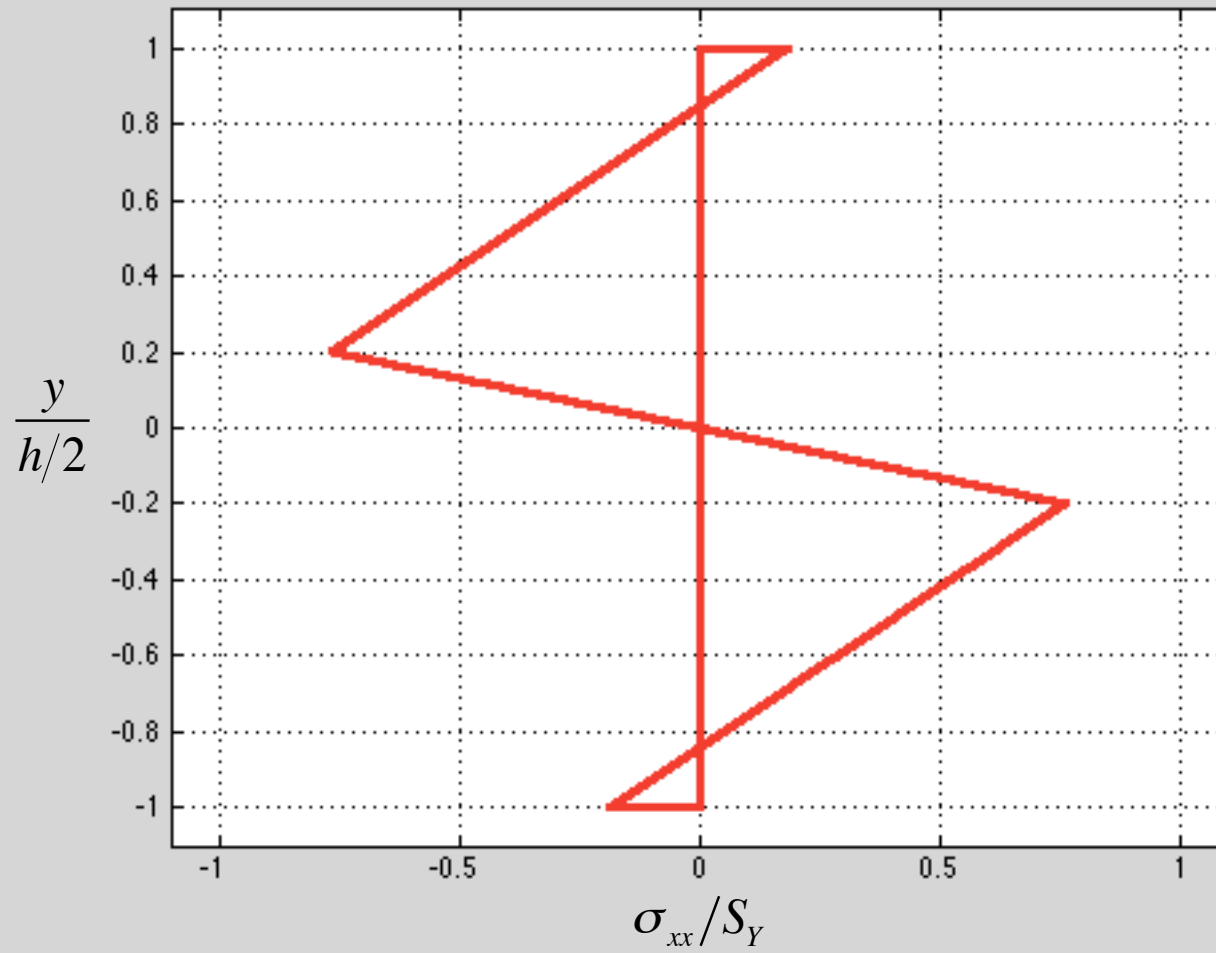
$$\kappa/\kappa_Y = 3.67$$

$$M/M_Y = 0.15$$



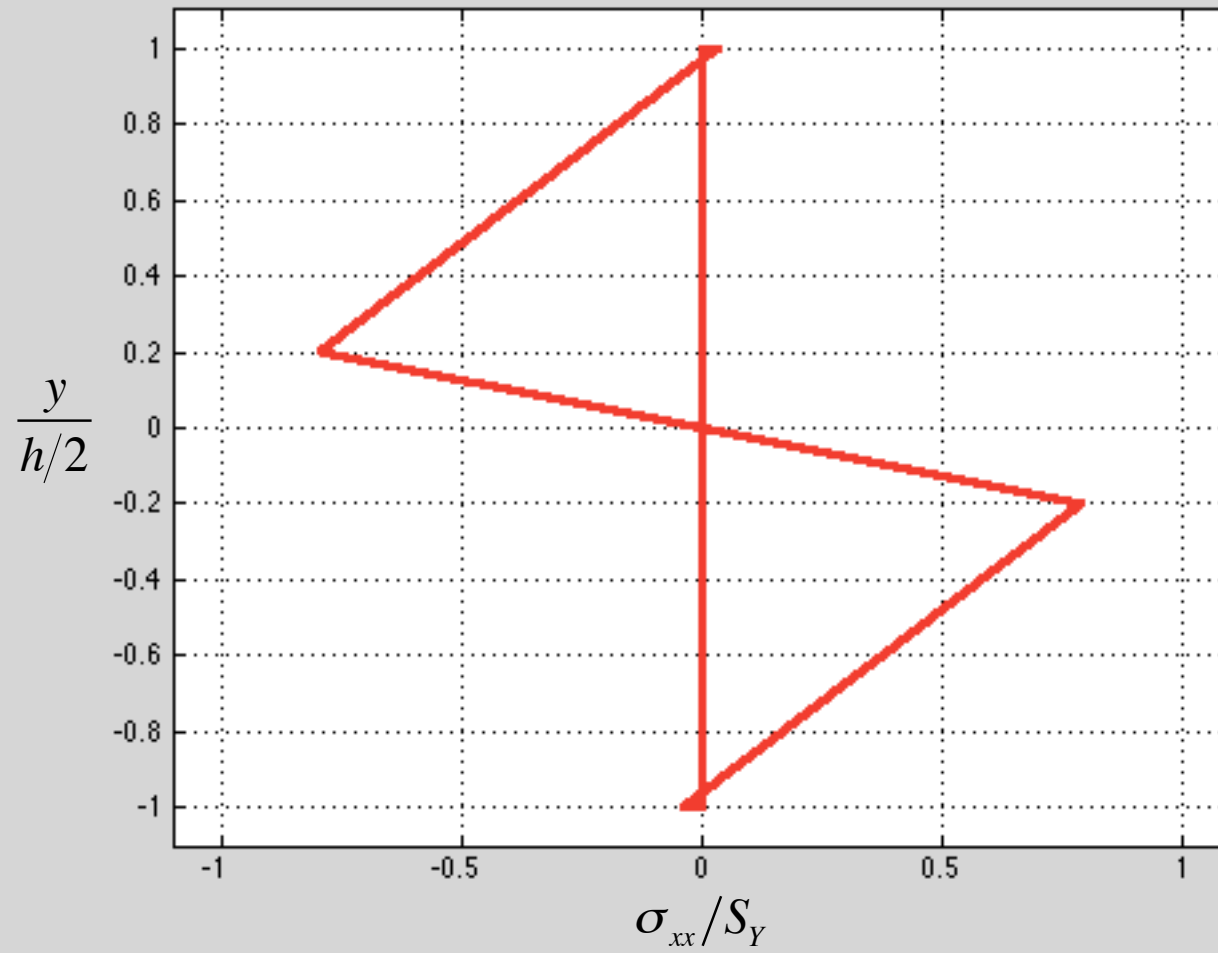
$$\kappa/\kappa_Y = 3.82$$

$$M/M_Y = 0.30$$



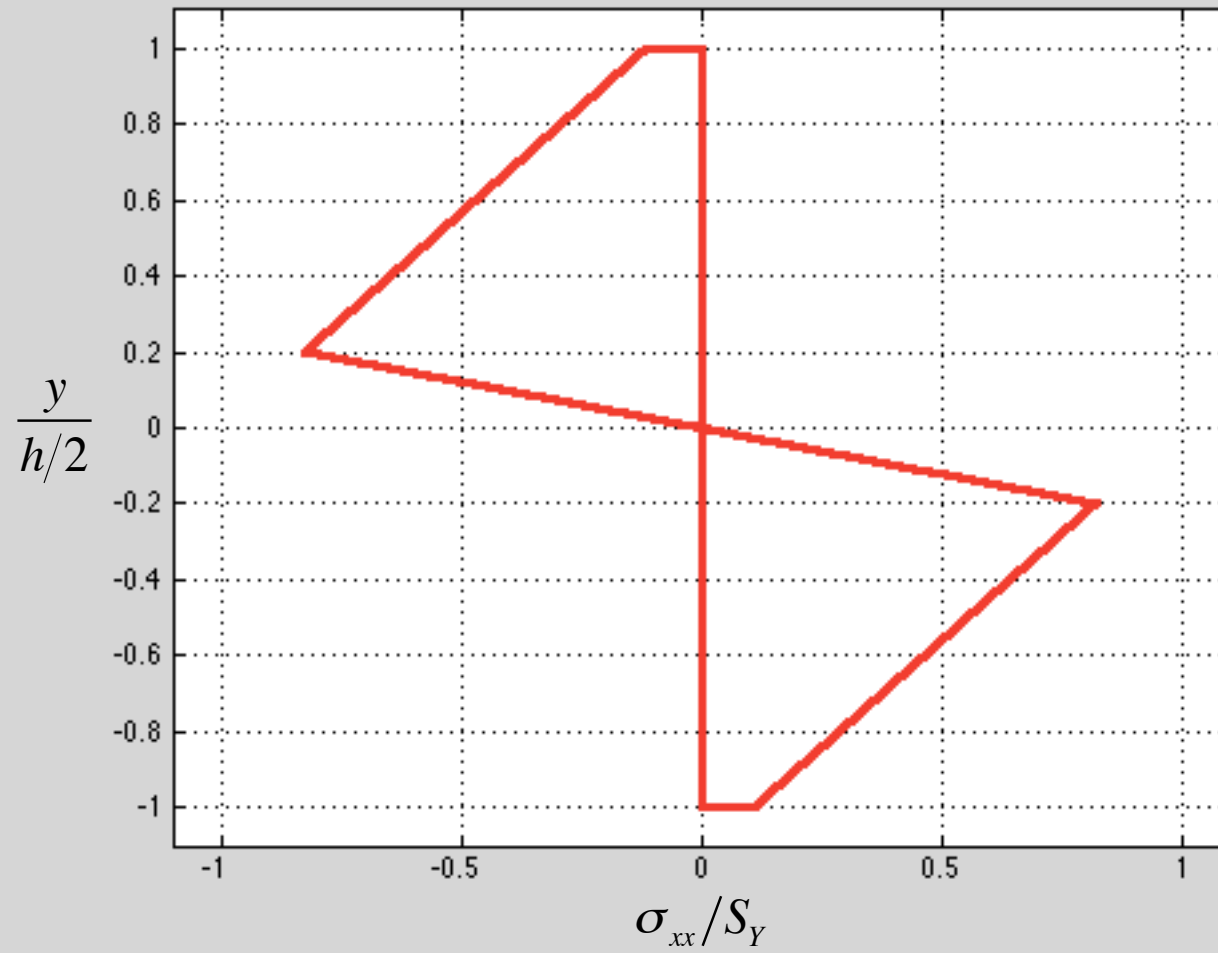
$$\kappa/\kappa_Y = 3.96$$

$$M/M_Y = 0.44$$



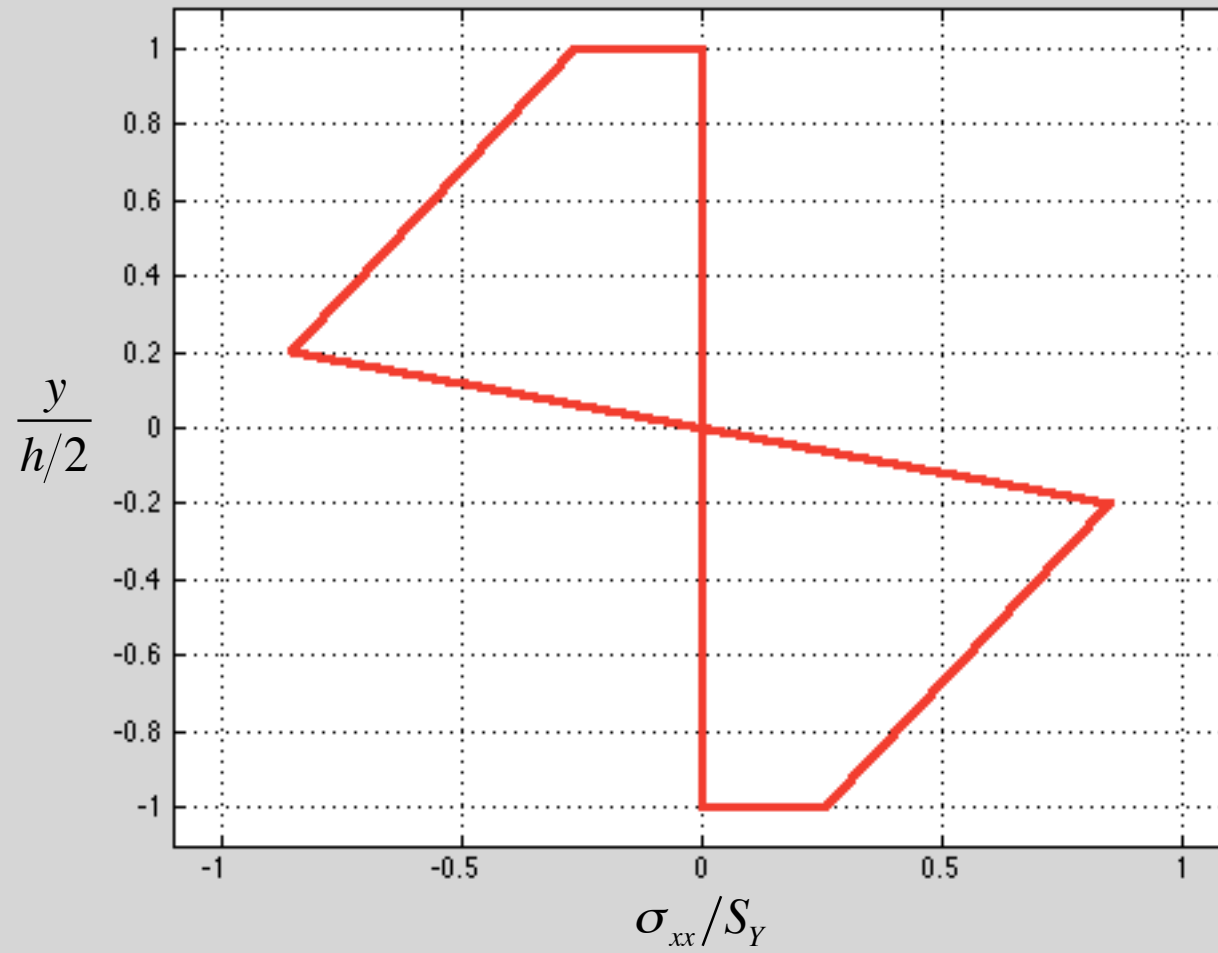
$$\kappa/\kappa_Y = 4.11$$

$$M/M_Y = 0.59$$



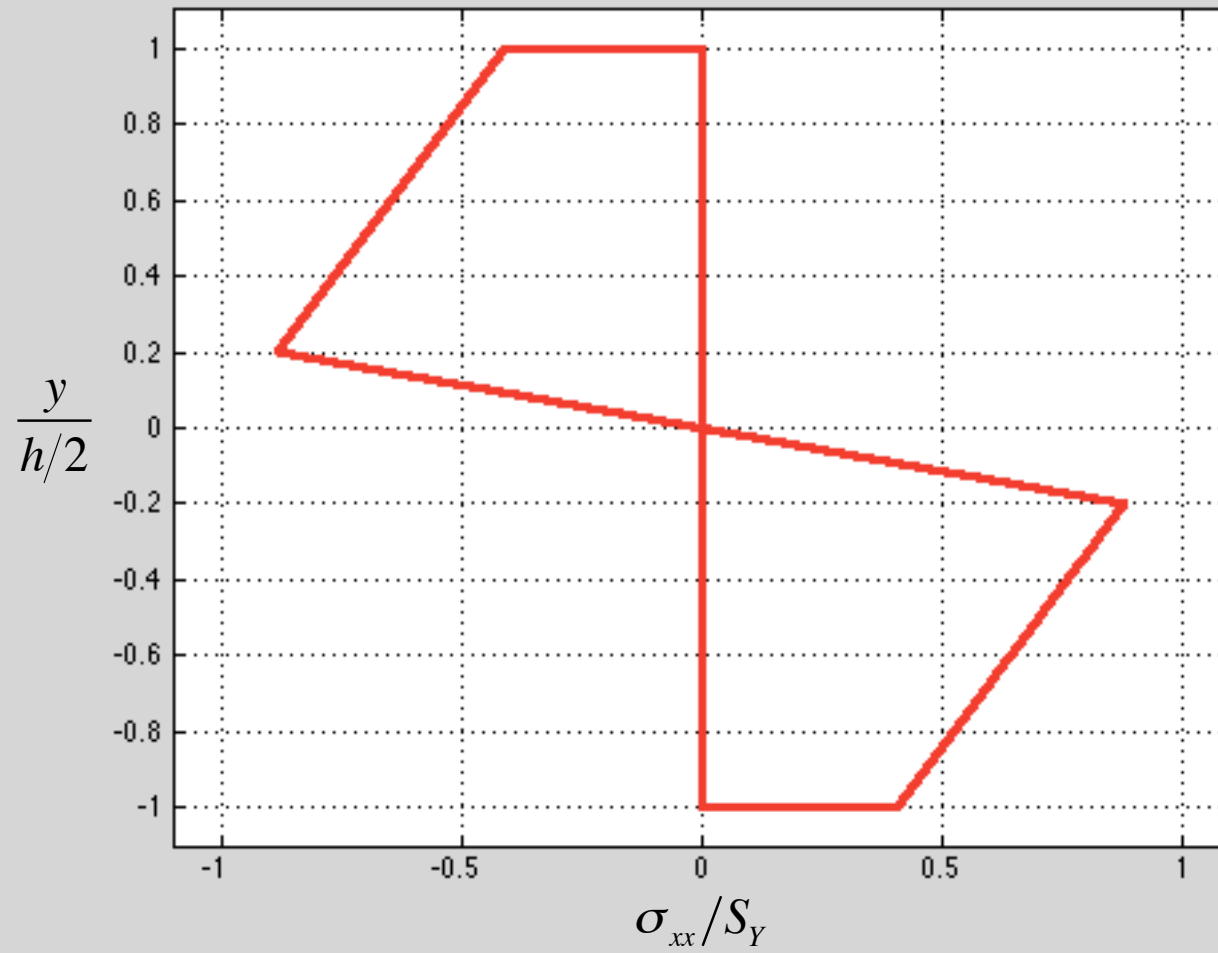
$$\kappa/\kappa_Y = 4.26$$

$$M/M_Y = 0.74$$



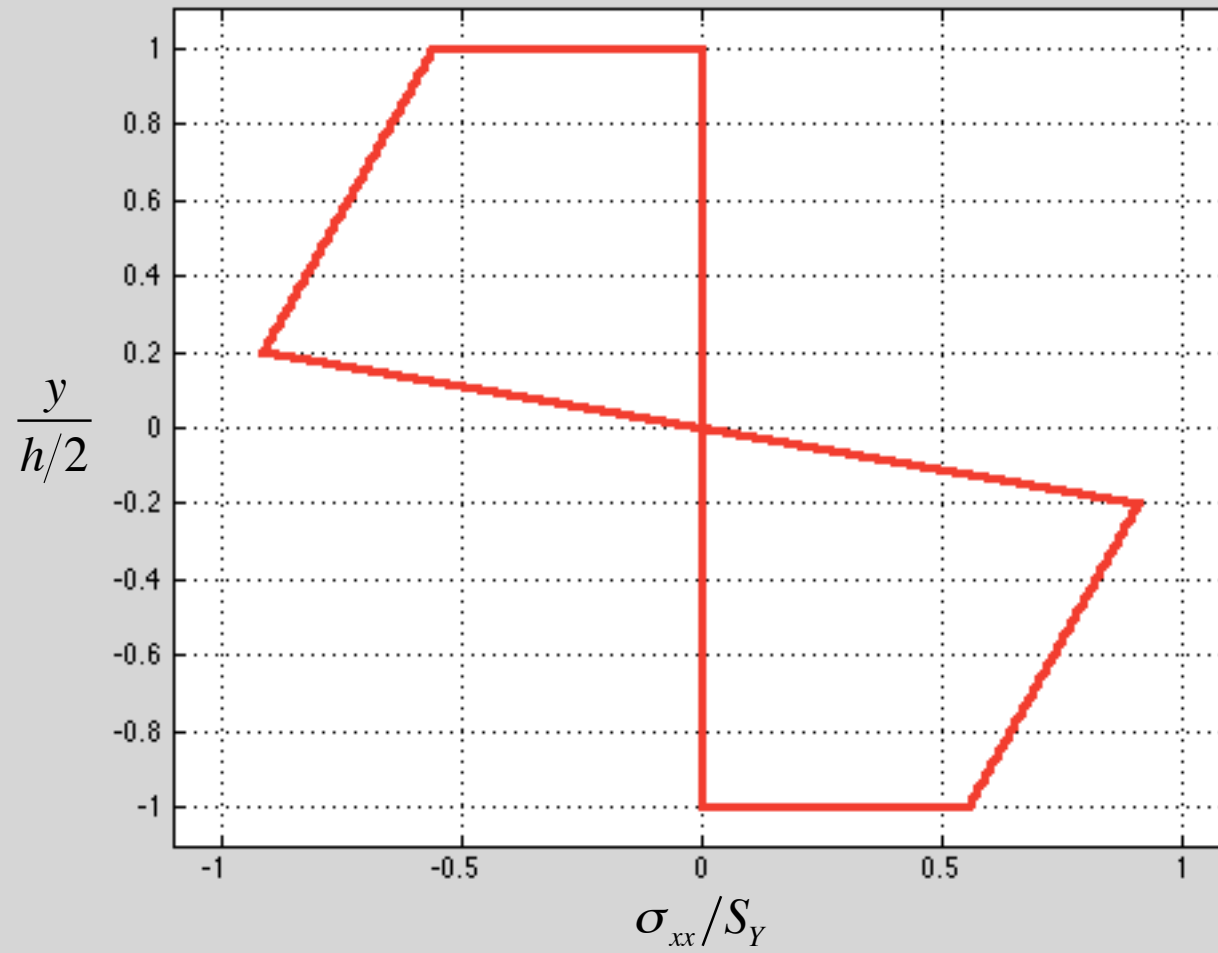
$$\kappa/\kappa_Y = 4.41$$

$$M/M_Y = 0.89$$



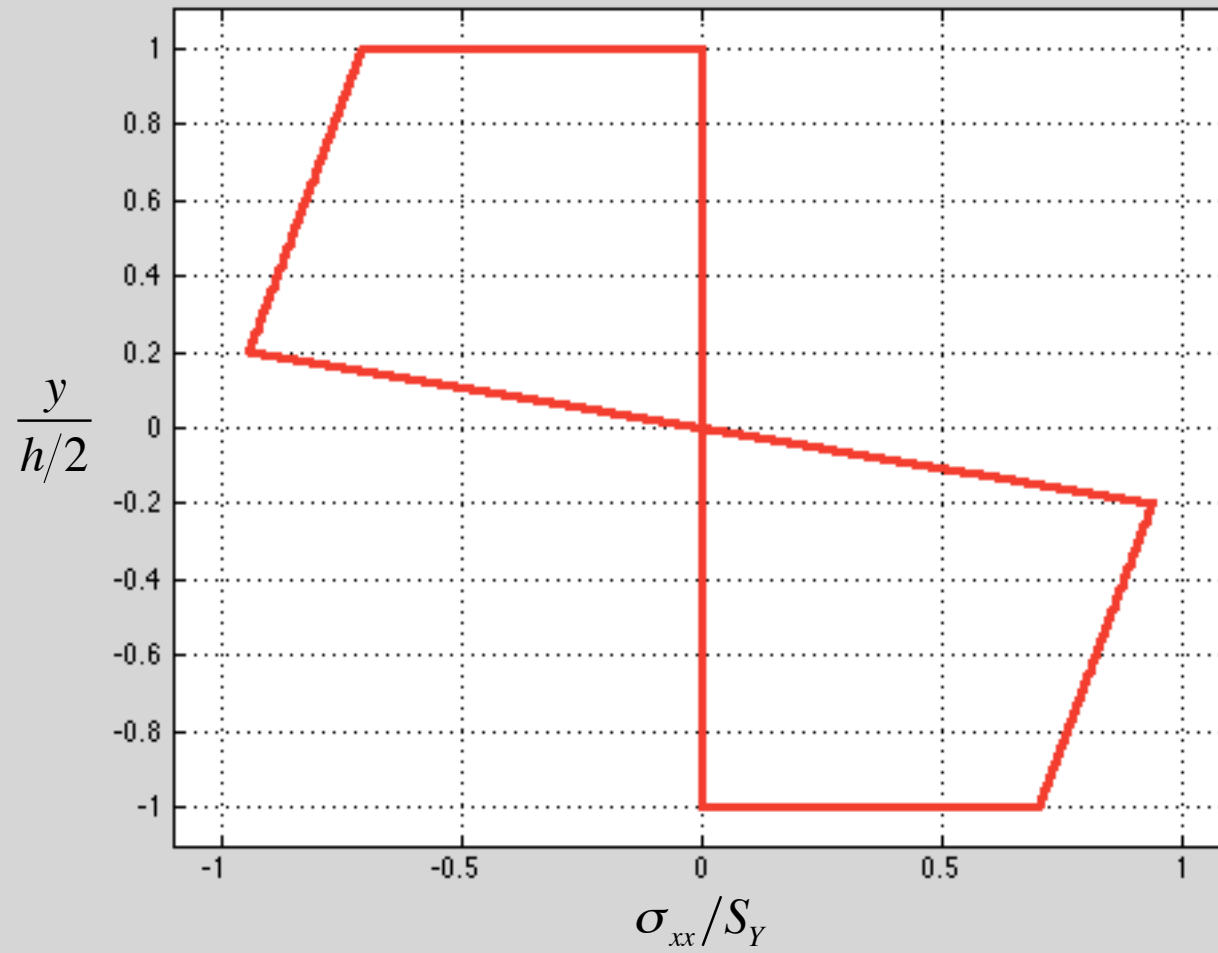
$$\kappa/\kappa_Y = 4.56$$

$$M/M_Y = 1.04$$



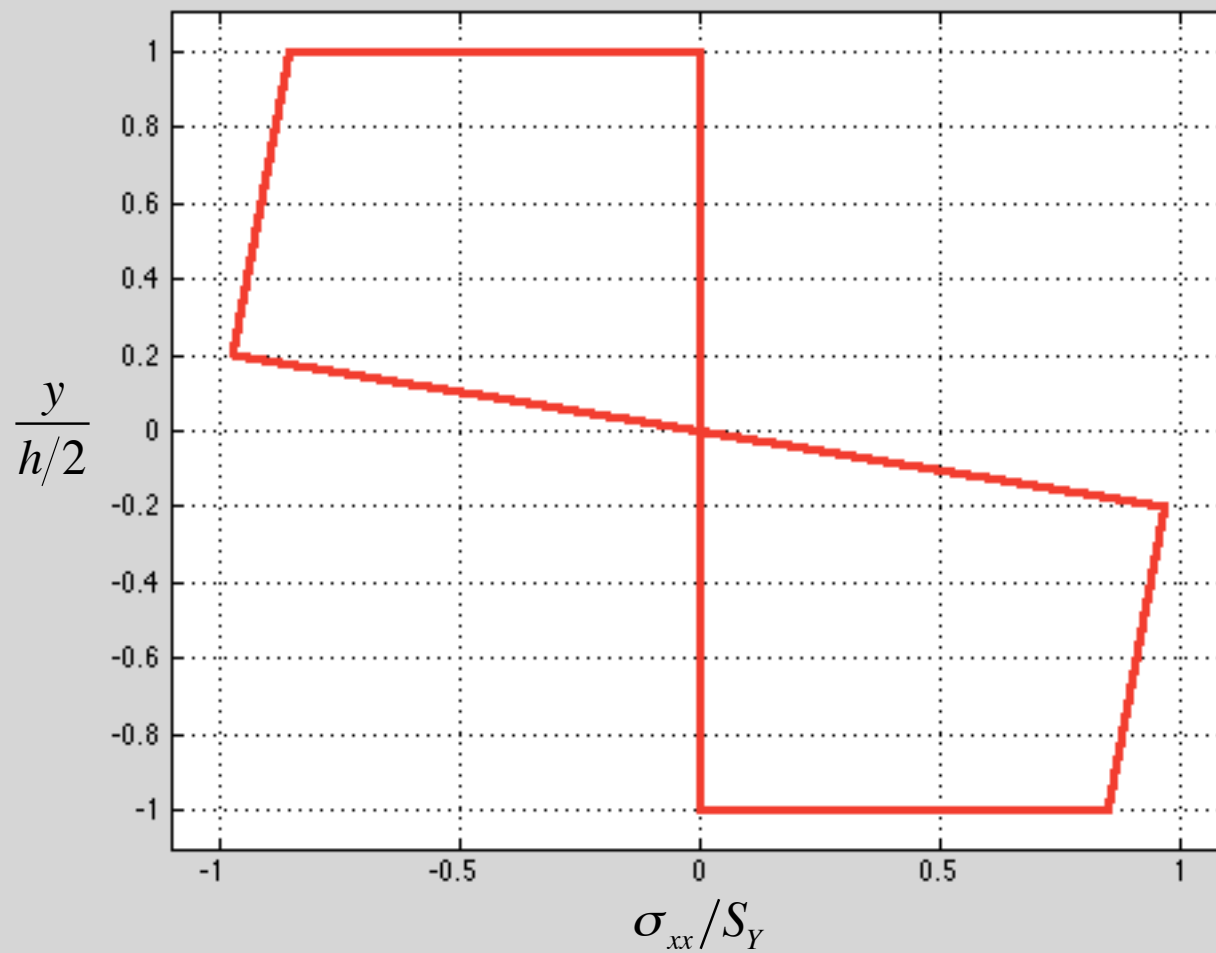
$$\kappa/\kappa_Y = 4.70$$

$$M/M_Y = 1.18$$



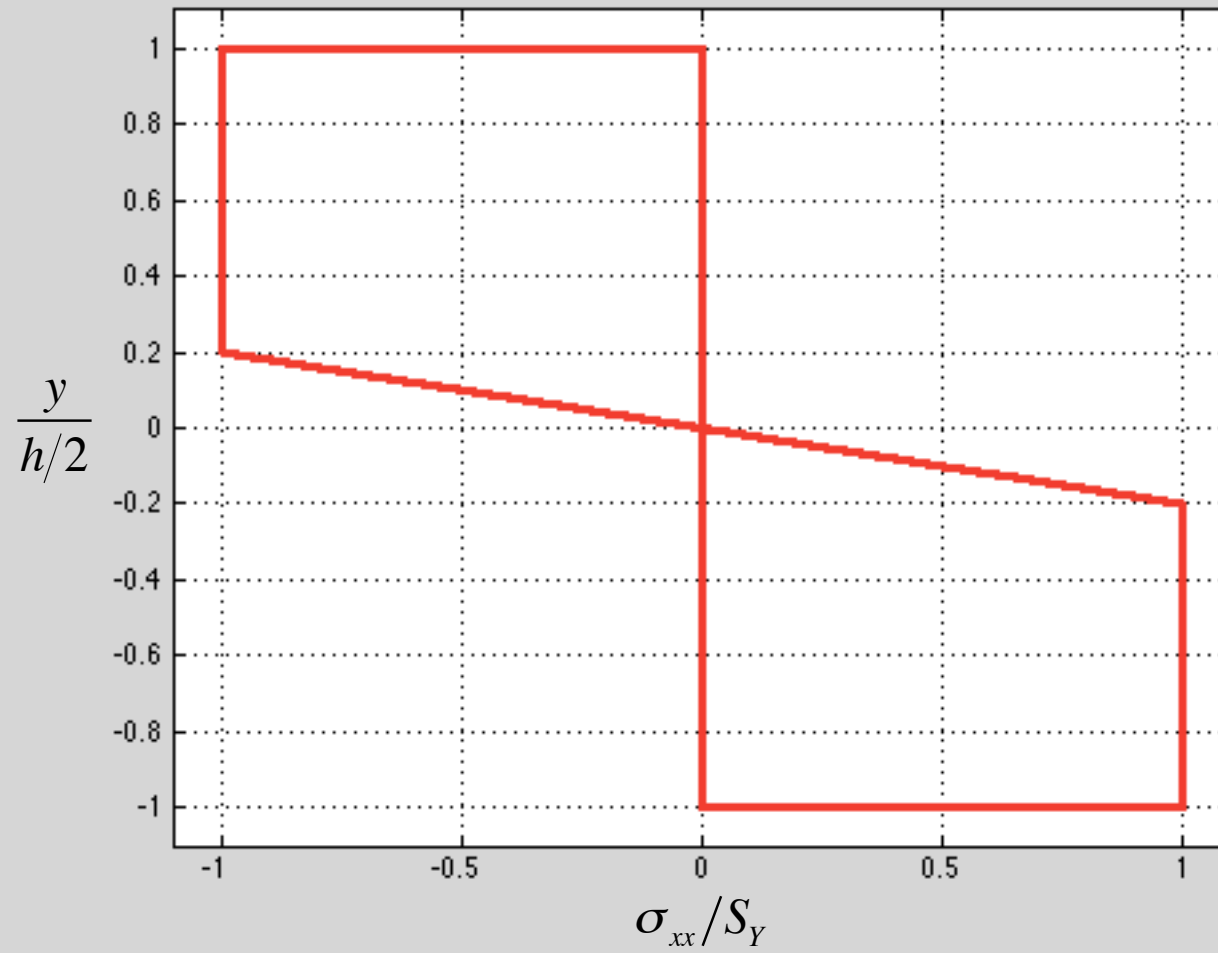
$$\kappa/\kappa_Y = 4.85$$

$$M/M_Y = 1.33$$



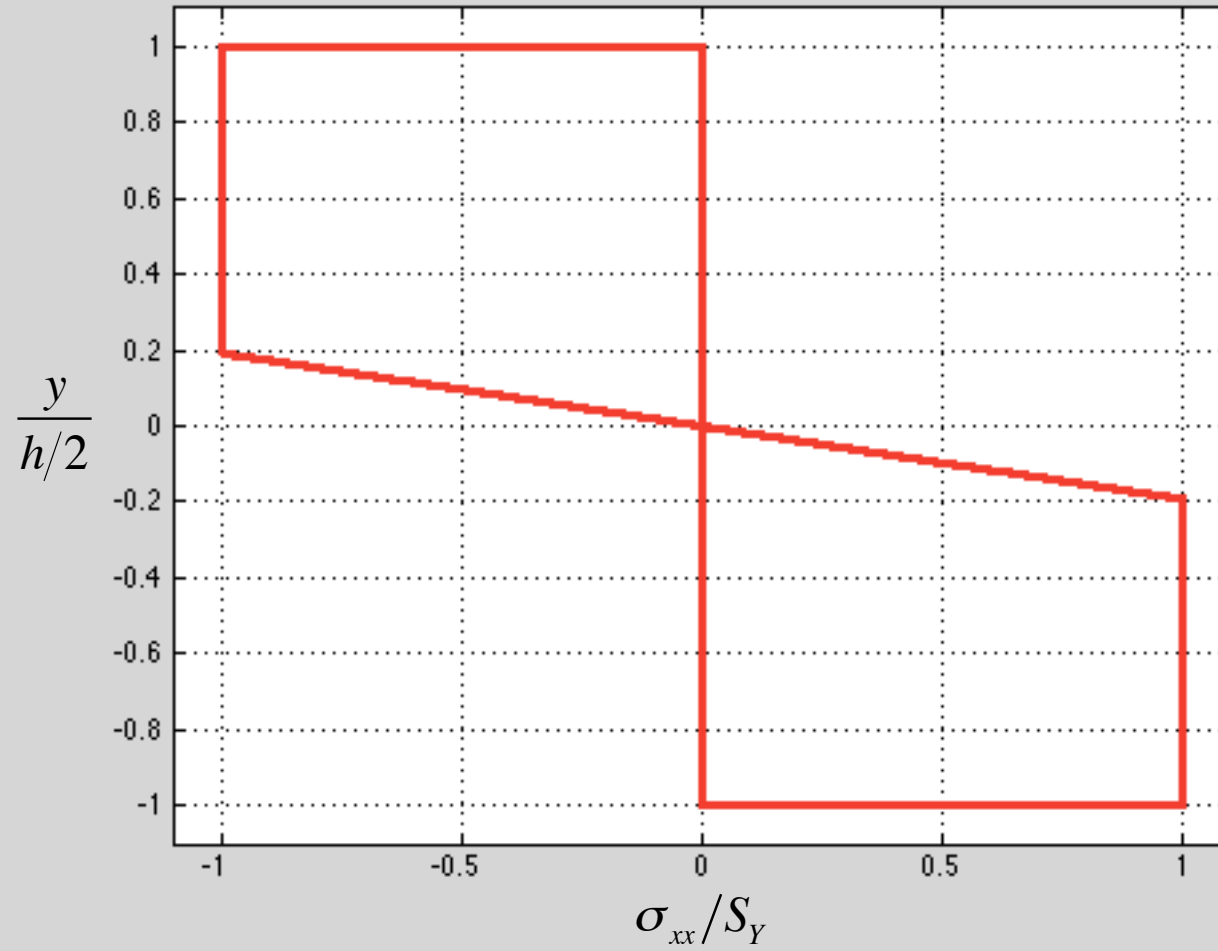
$$\kappa/\kappa_Y = 5$$

$$M/M_Y = 1.48$$



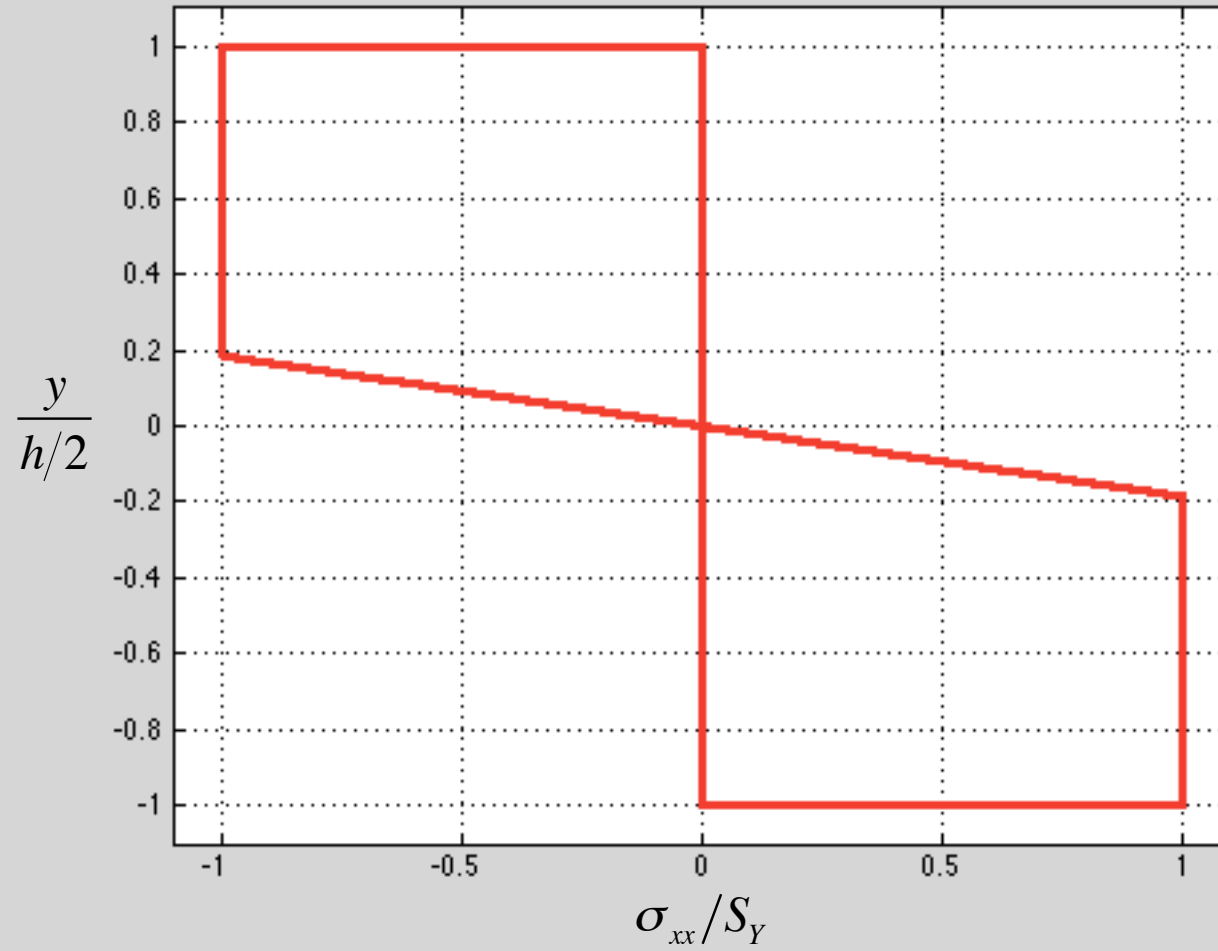
$$\kappa/\kappa_Y = 5.2$$

$$M/M_Y = 1.48$$



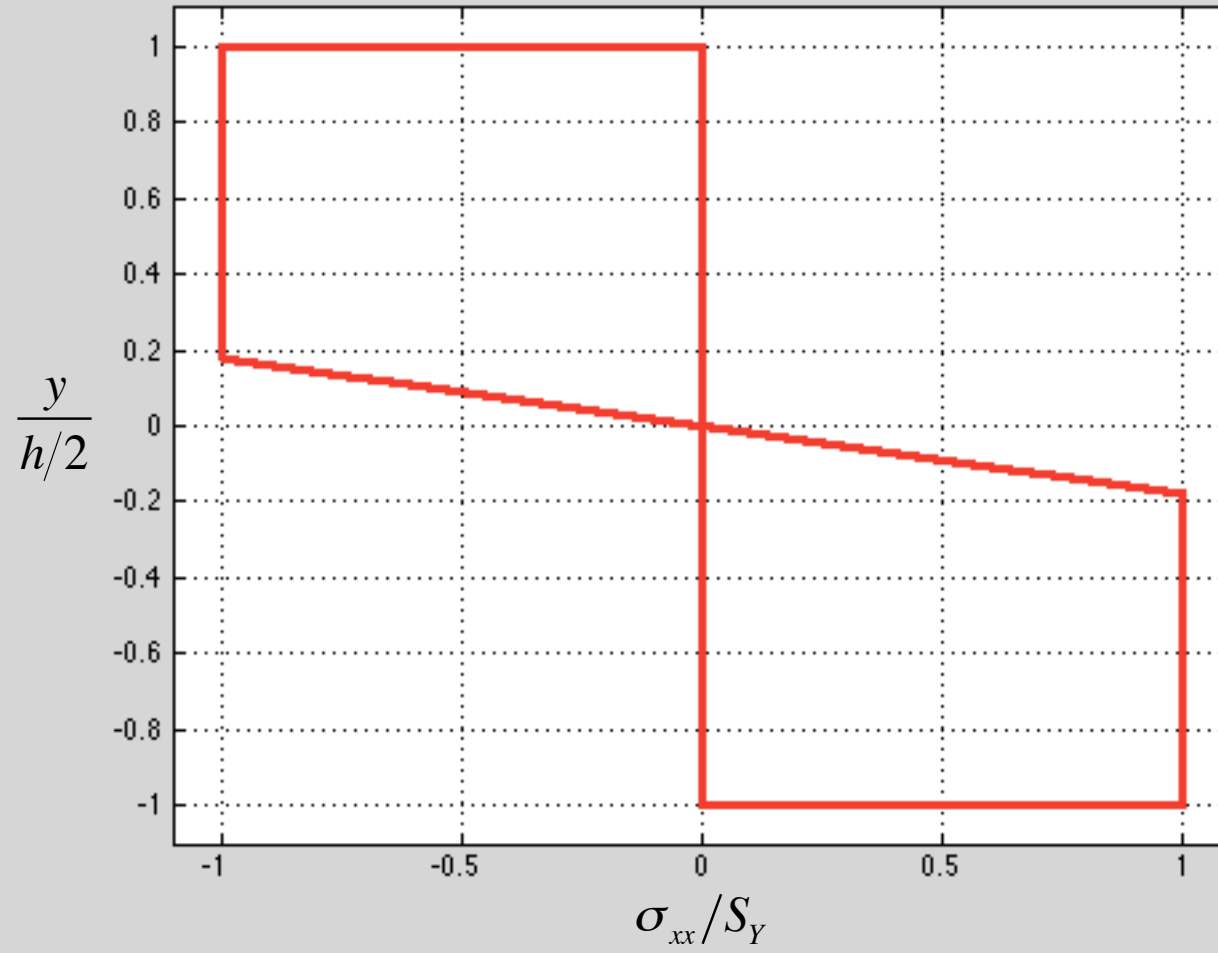
$$\kappa/\kappa_Y = 5.4$$

$$M/M_Y = 1.48$$



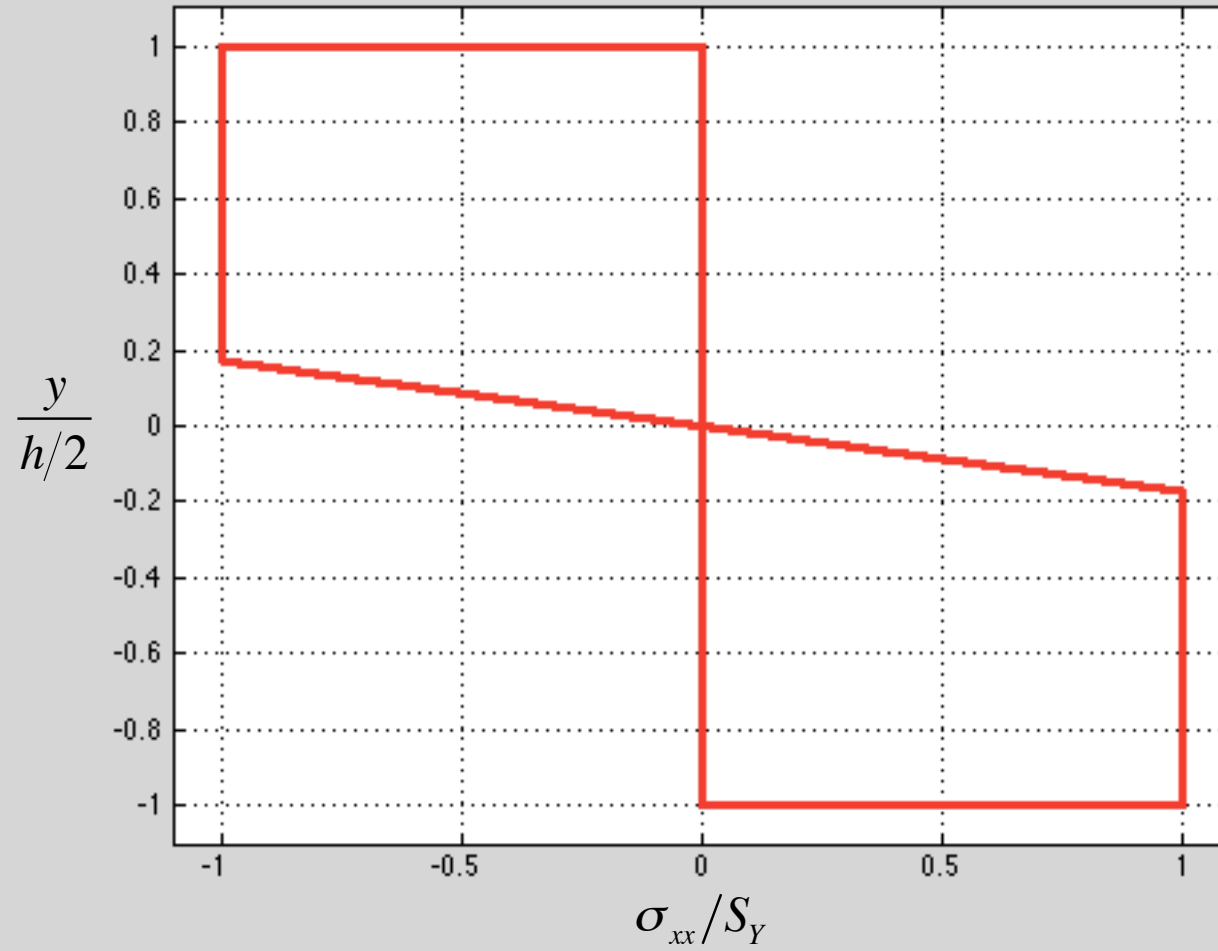
$$\kappa/\kappa_Y = 5.6$$

$$M/M_Y = 1.48$$



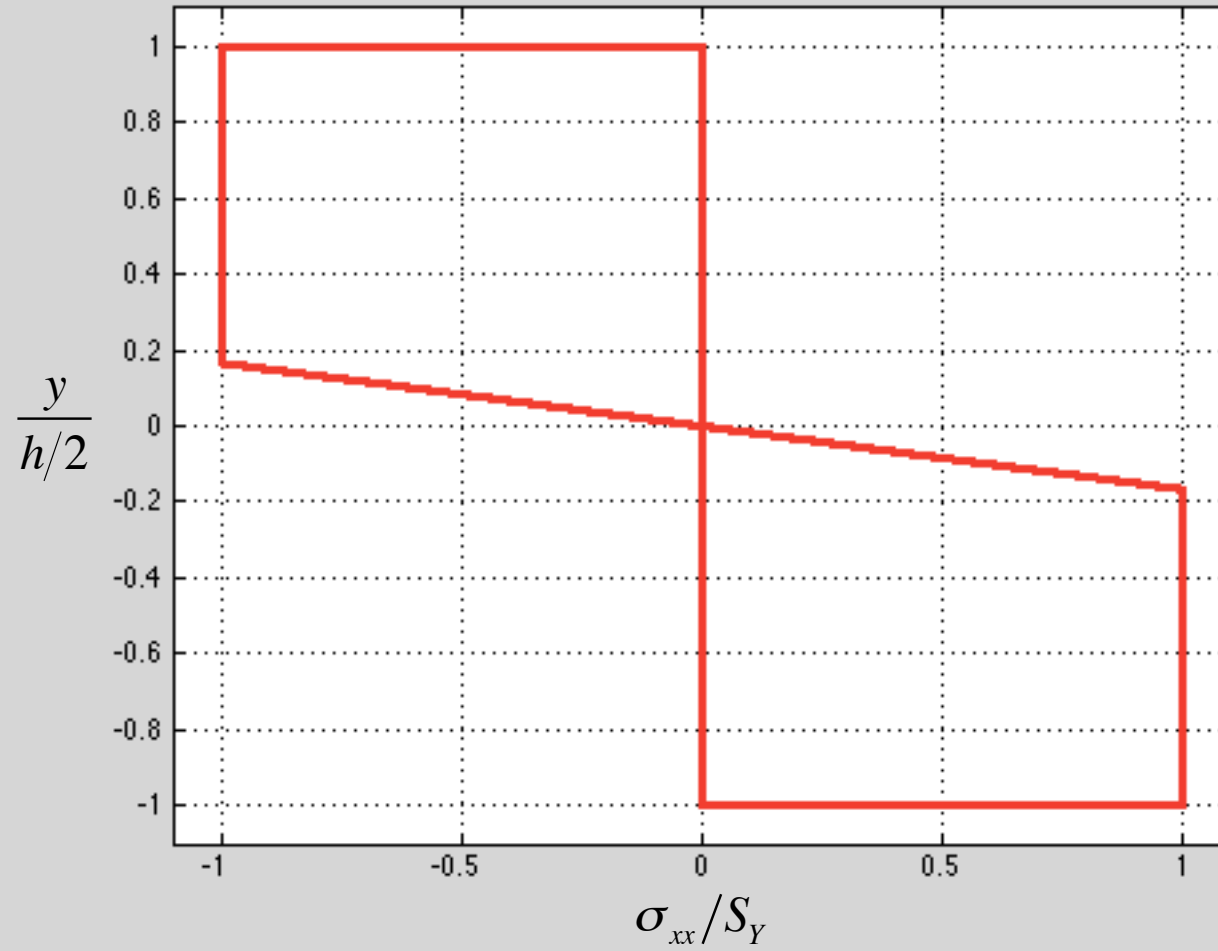
$$\kappa/\kappa_Y = 5.8$$

$$M/M_Y = 1.49$$



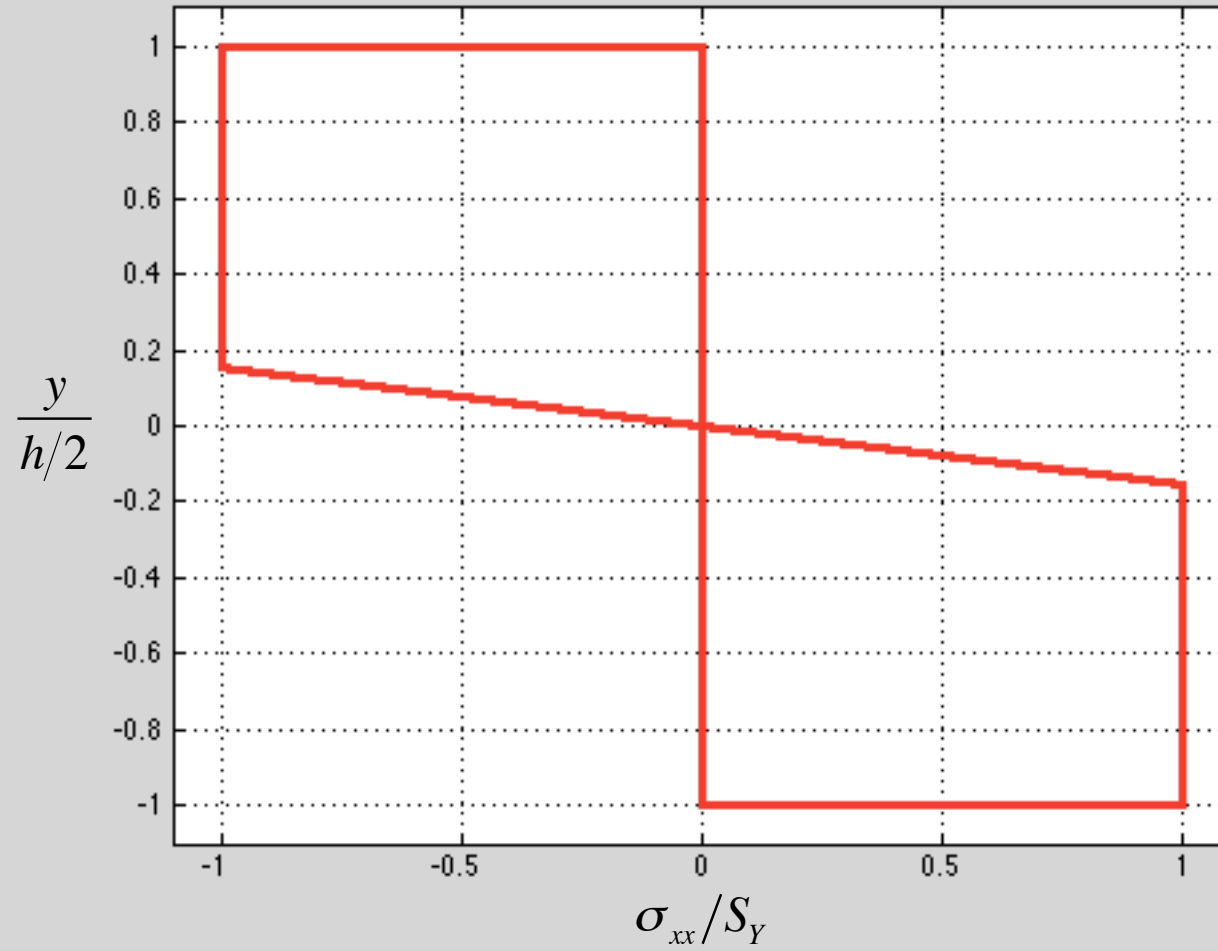
$$\kappa/\kappa_Y = 6.0$$

$$M/M_Y = 1.49$$



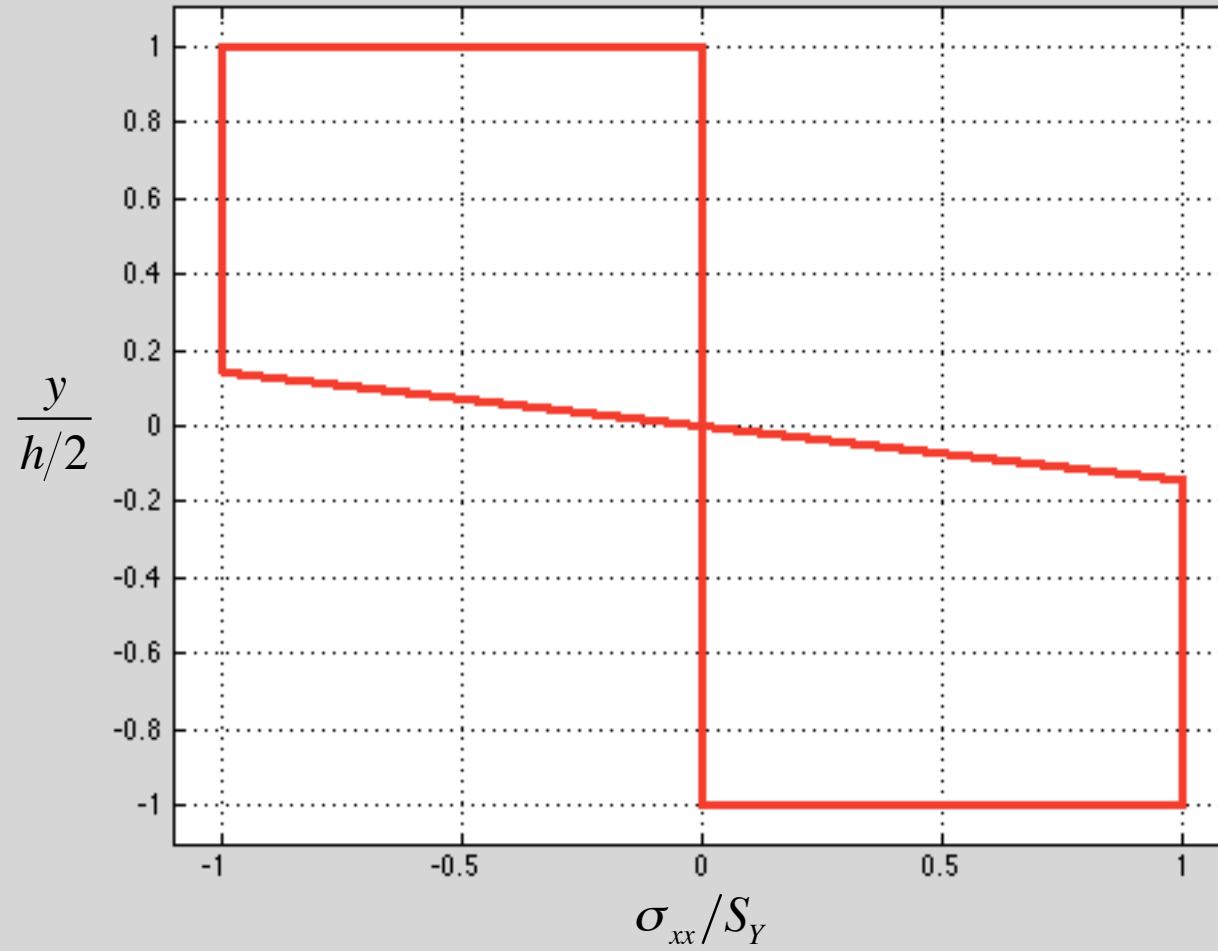
$$\kappa/\kappa_Y = 6.5$$

$$M/M_Y = 1.49$$



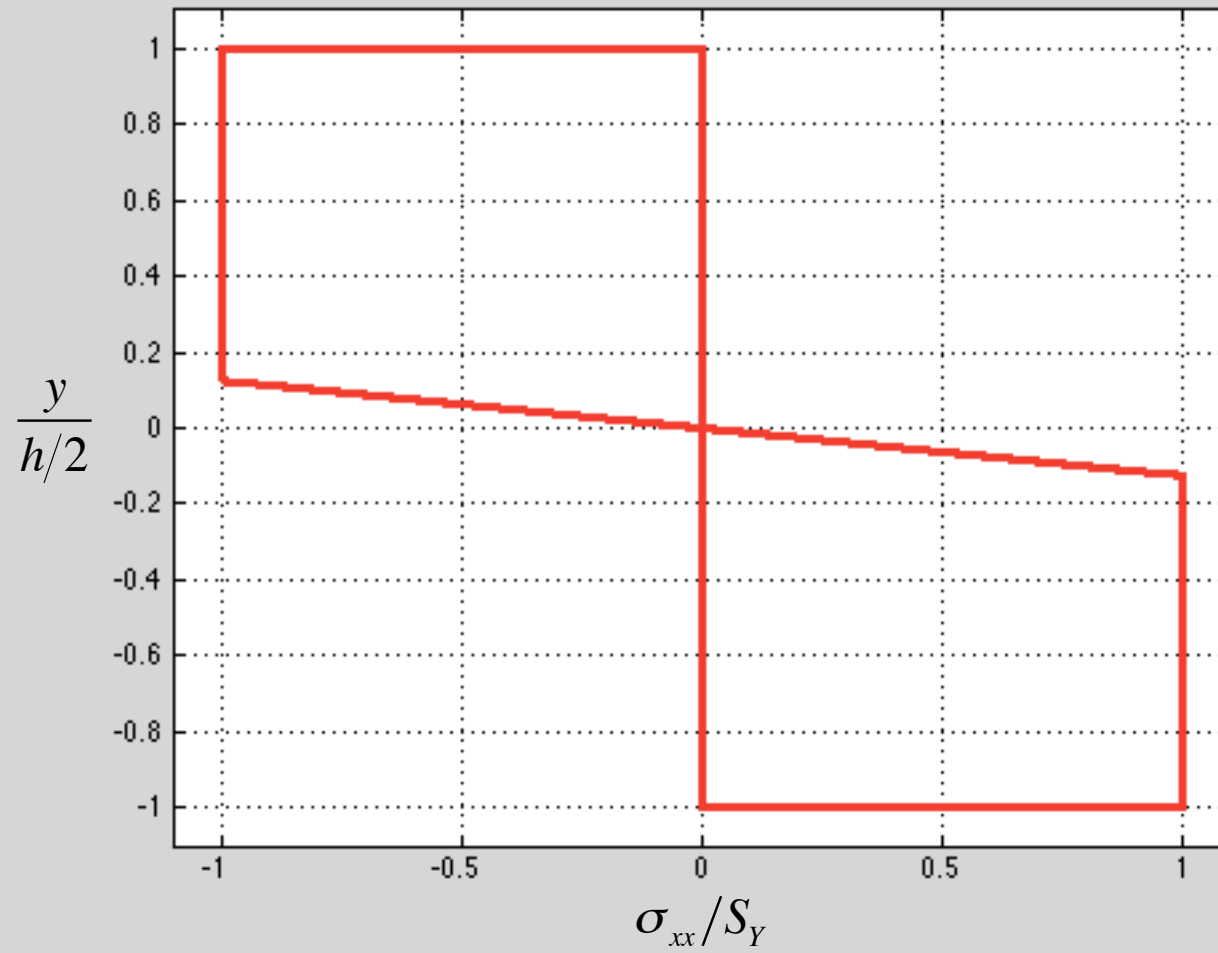
$$\kappa/\kappa_Y = 7.0$$

$$M/M_Y = 1.49$$



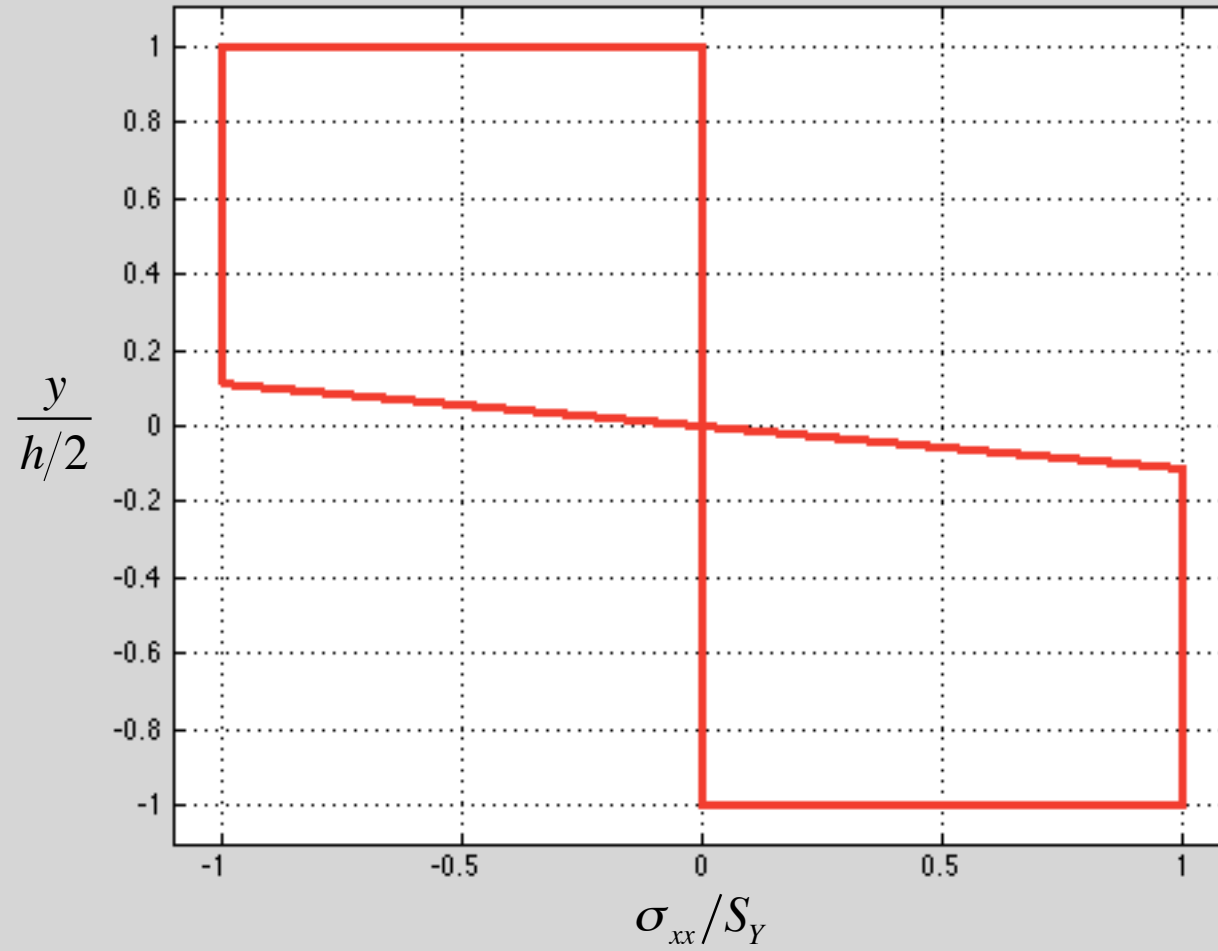
$$\kappa/\kappa_Y = 8$$

$$M/M_Y = 1.49$$



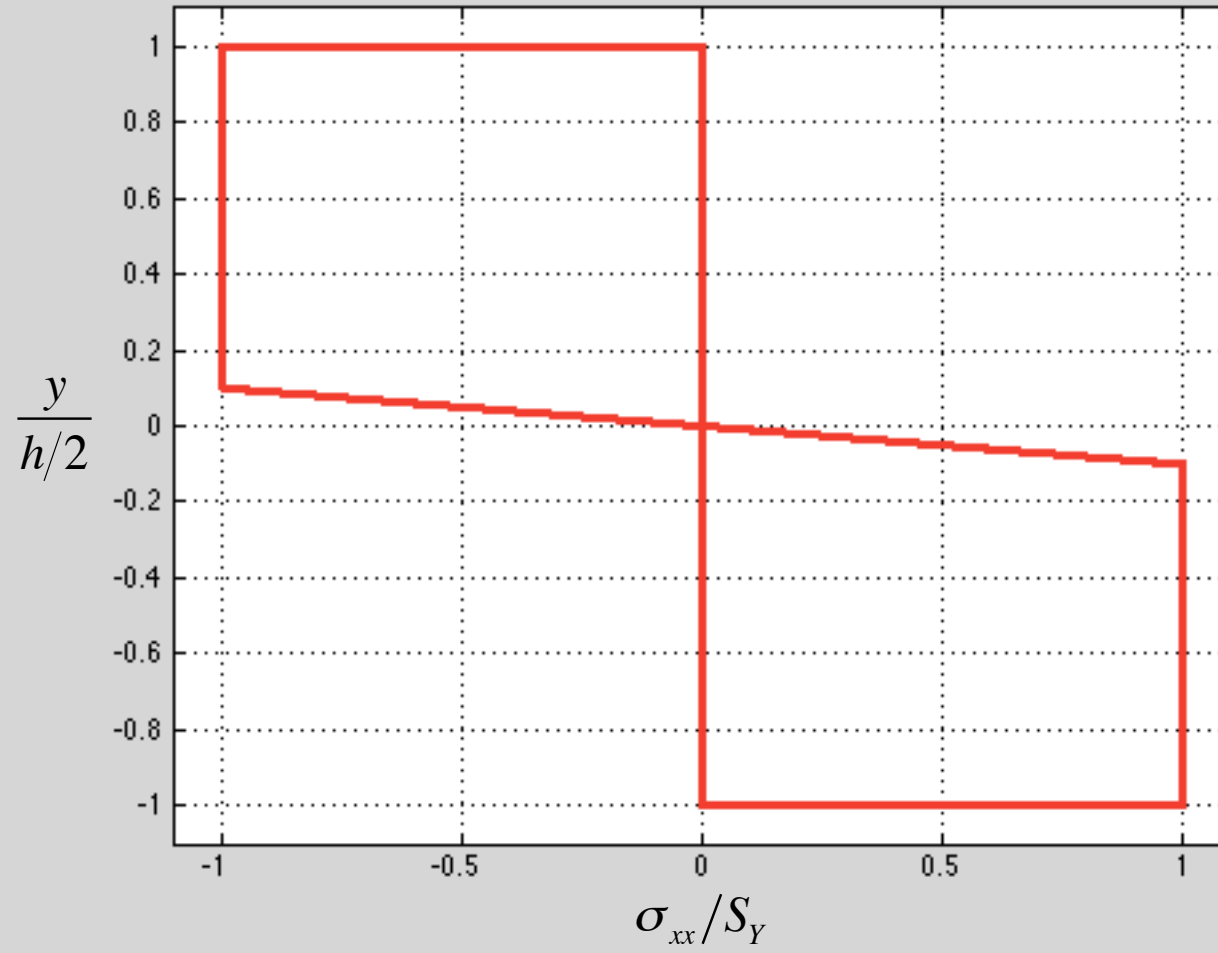
$$\kappa/\kappa_Y = 9.0$$

$$M/M_Y = 1.49$$



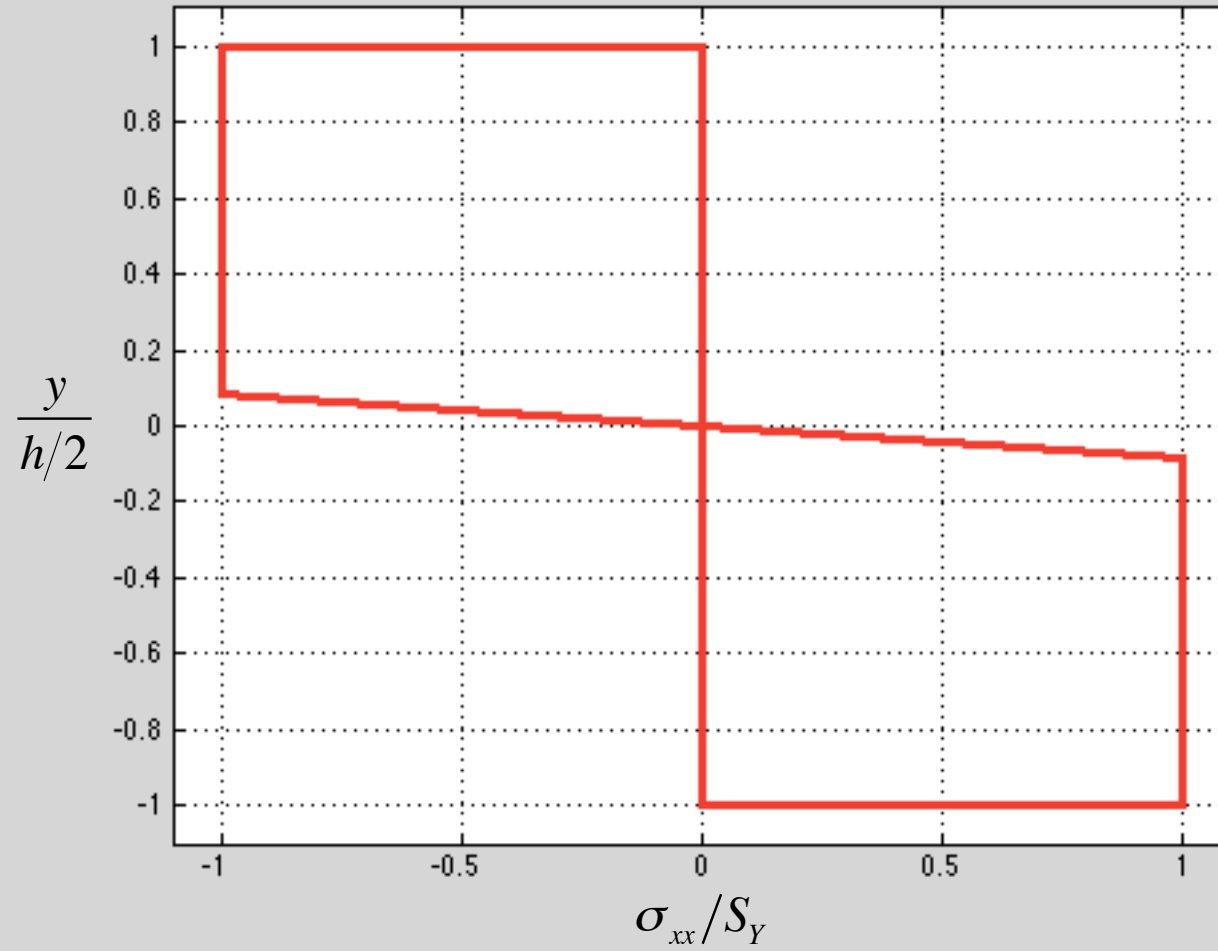
$$\kappa/\kappa_Y = 10$$

$$M/M_Y = 1.50$$



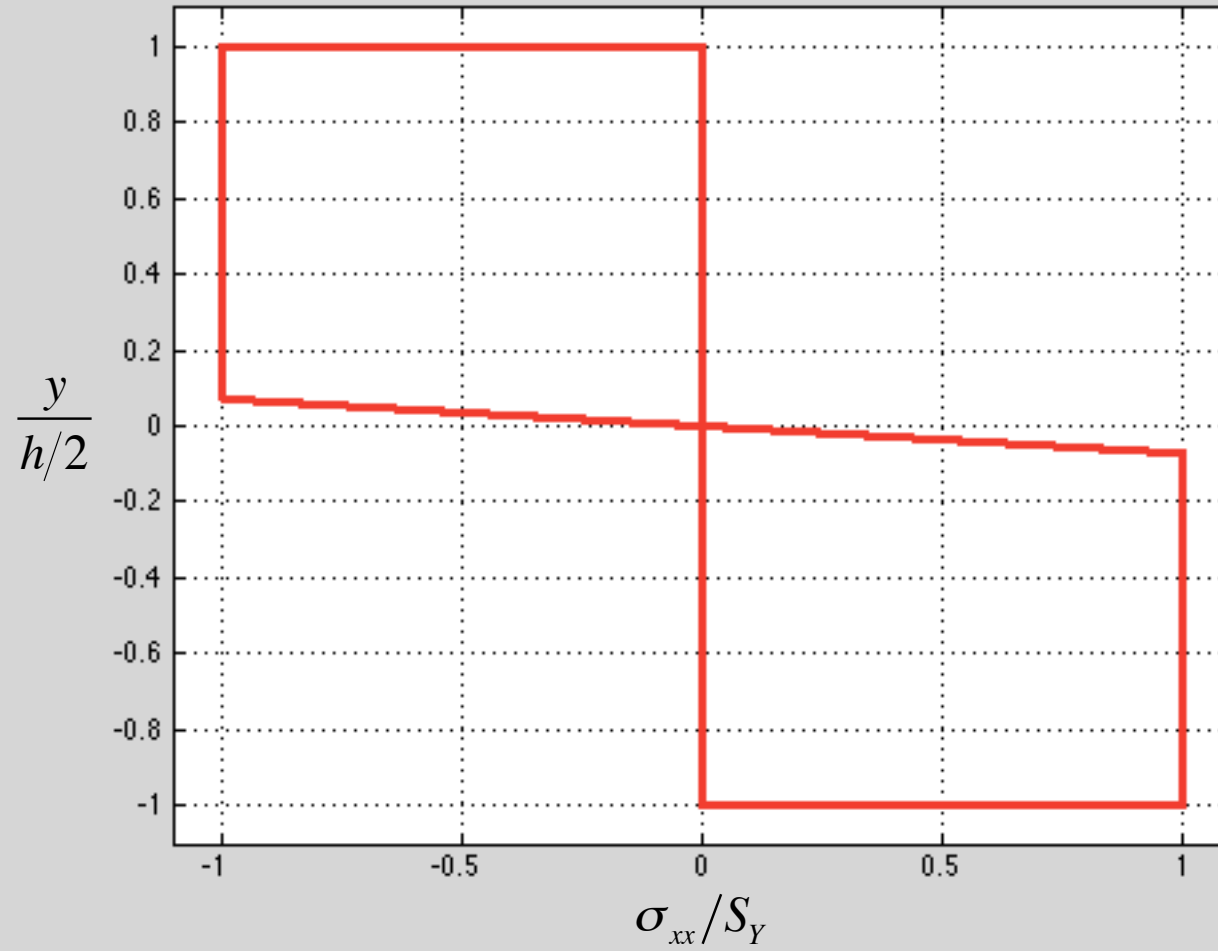
$$\kappa/\kappa_Y = 12$$

$$M/M_Y = 1.50$$



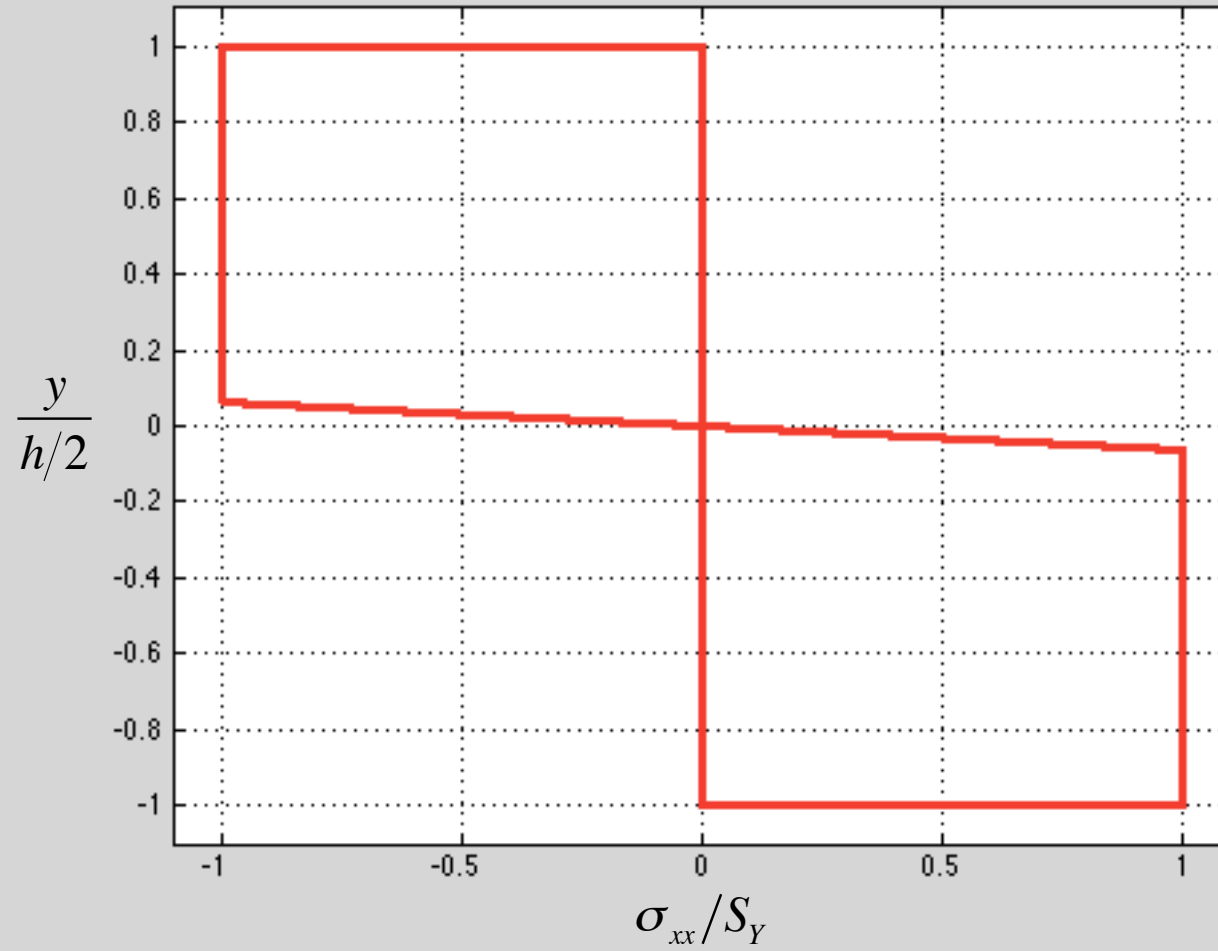
$$\kappa/\kappa_Y = 14$$

$$M/M_Y = 1.50$$



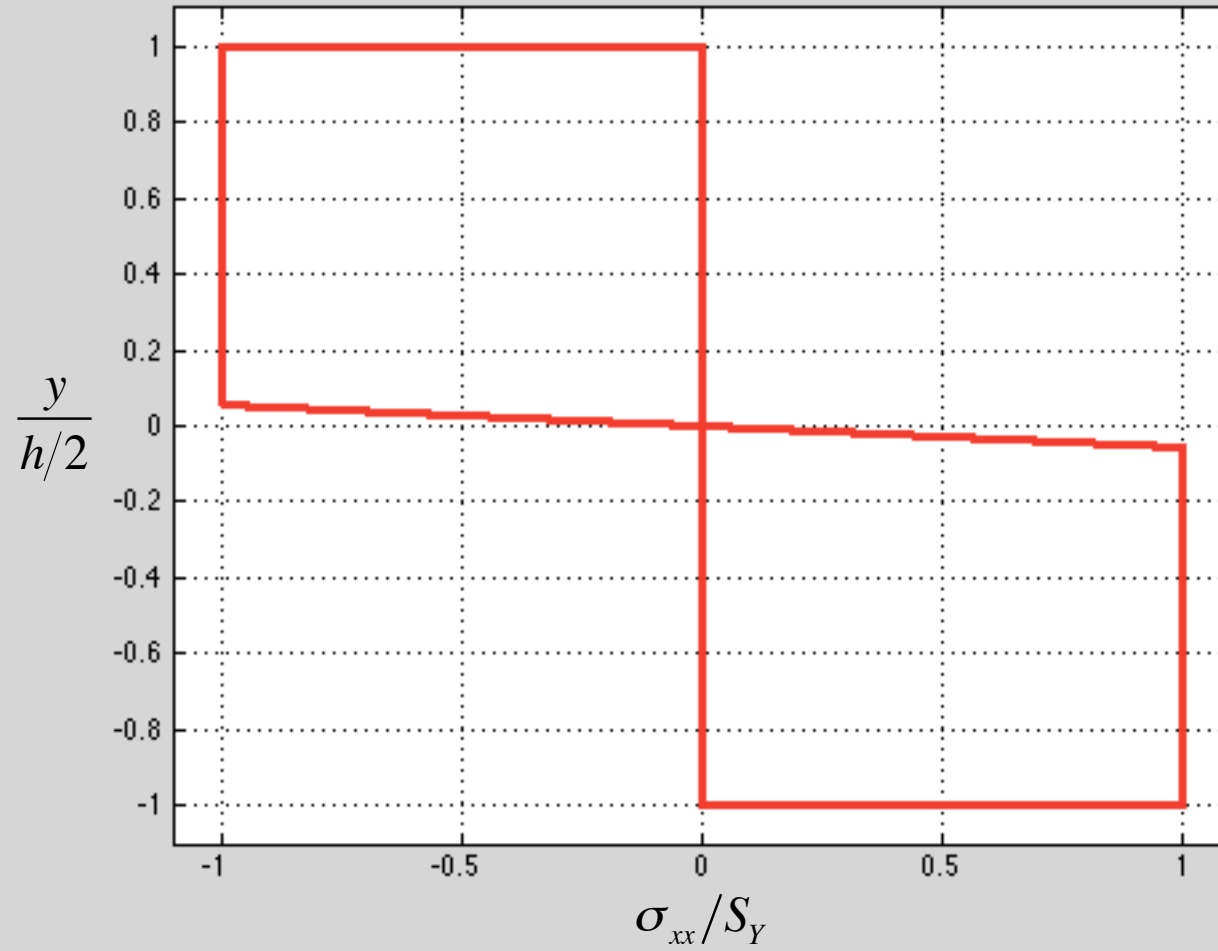
$$\kappa/\kappa_Y = 16$$

$$M/M_Y = 1.50$$



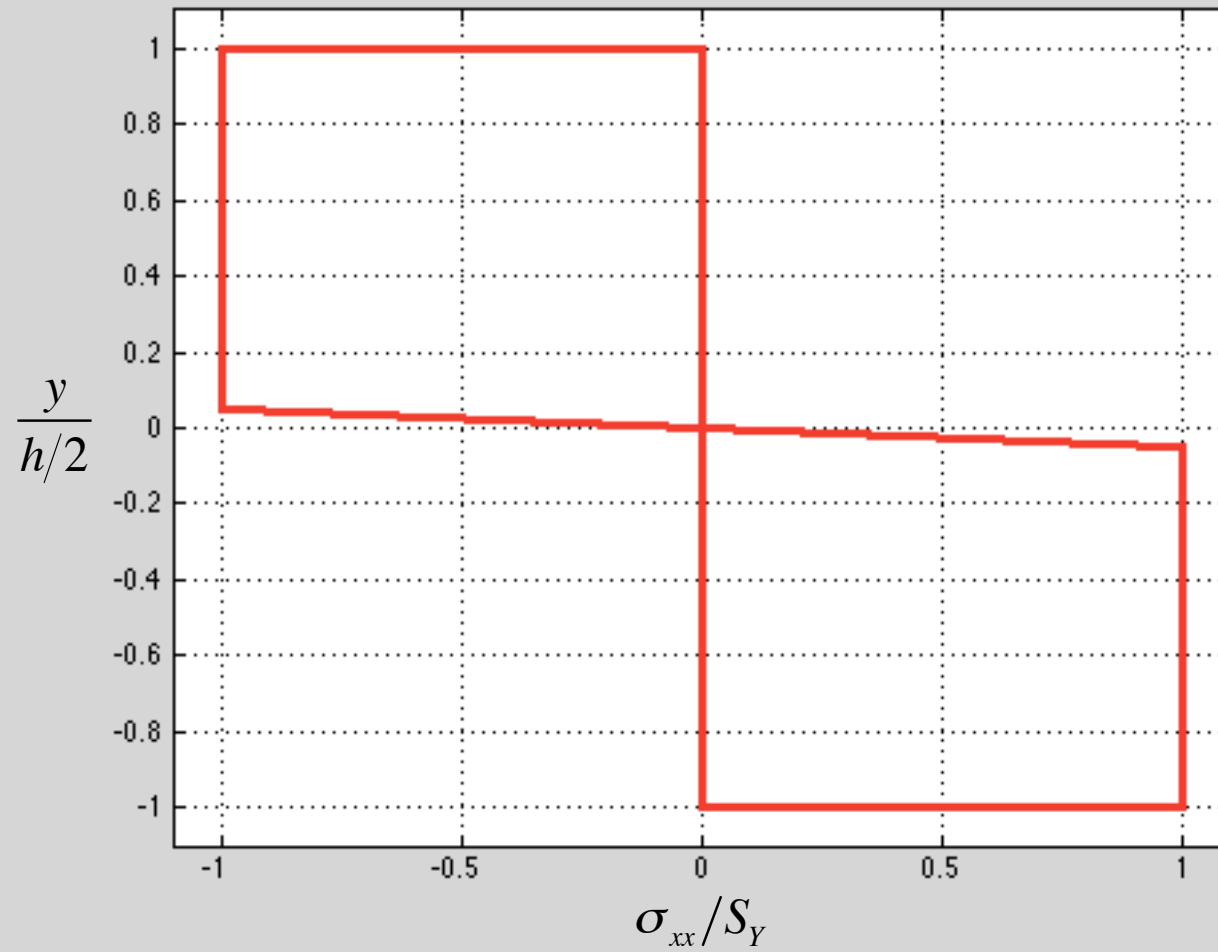
$$\kappa/\kappa_Y = 18$$

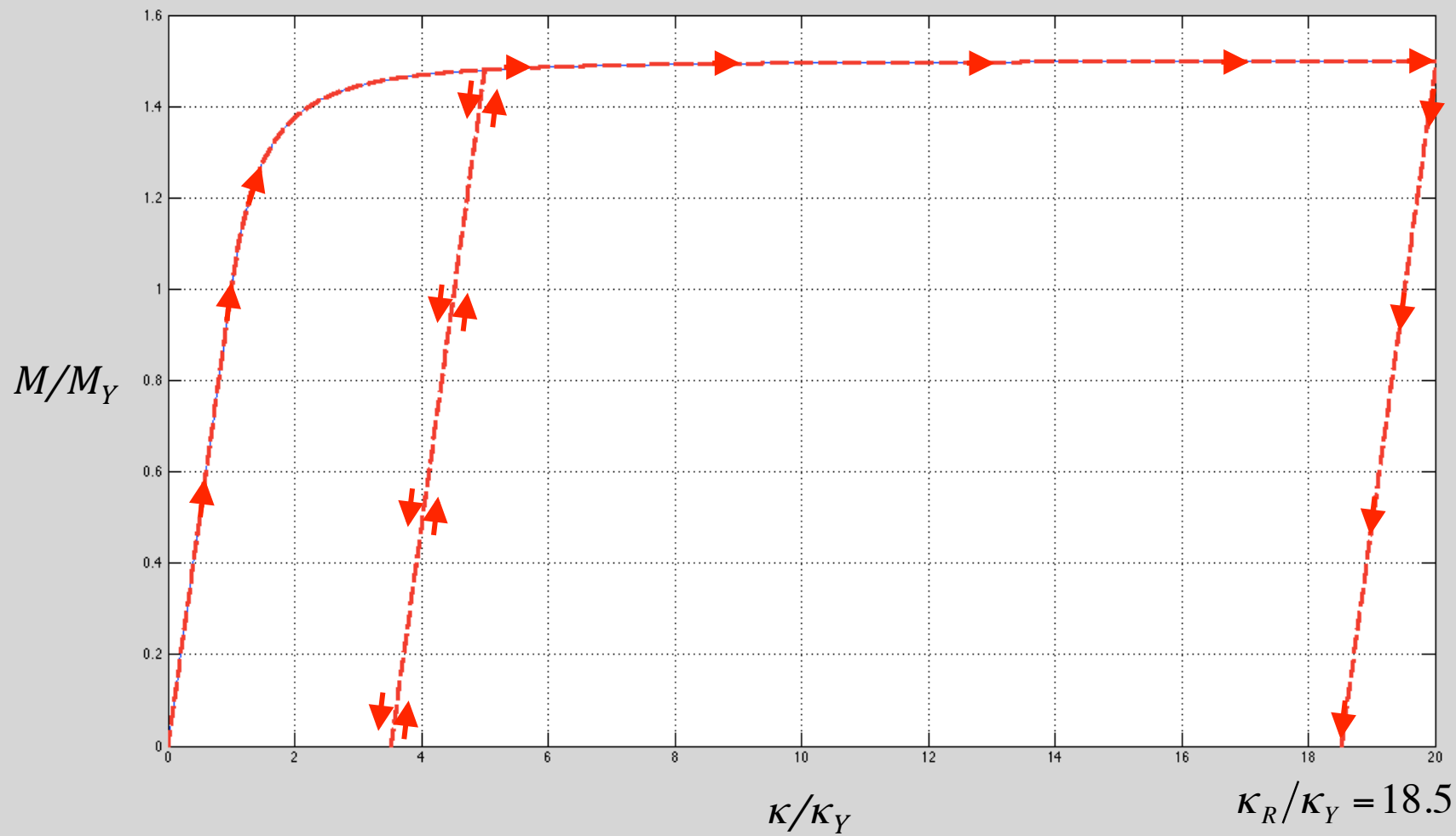
$$M/M_Y = 1.50$$



$$\kappa/\kappa_Y = 20$$

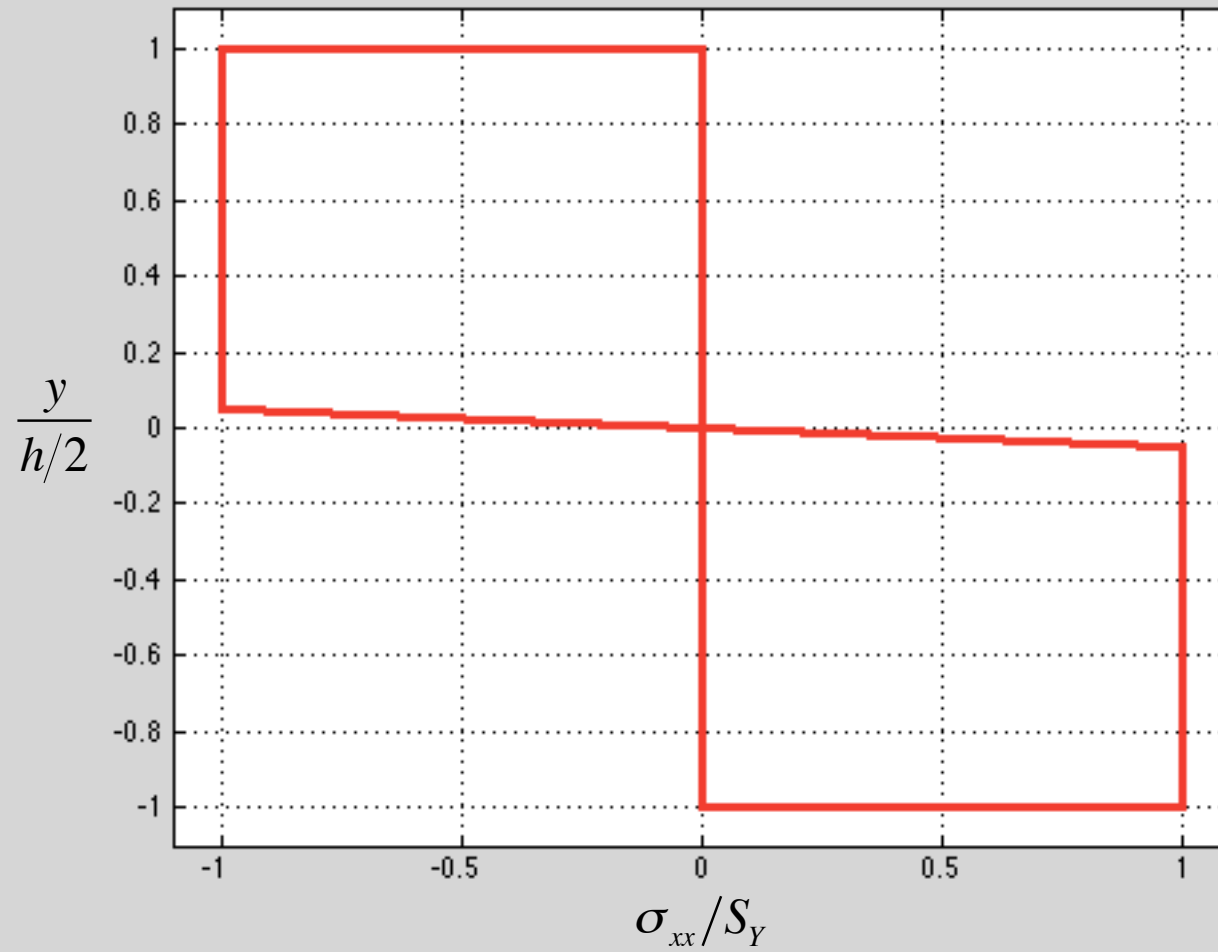
$$M/M_Y = 1.50$$





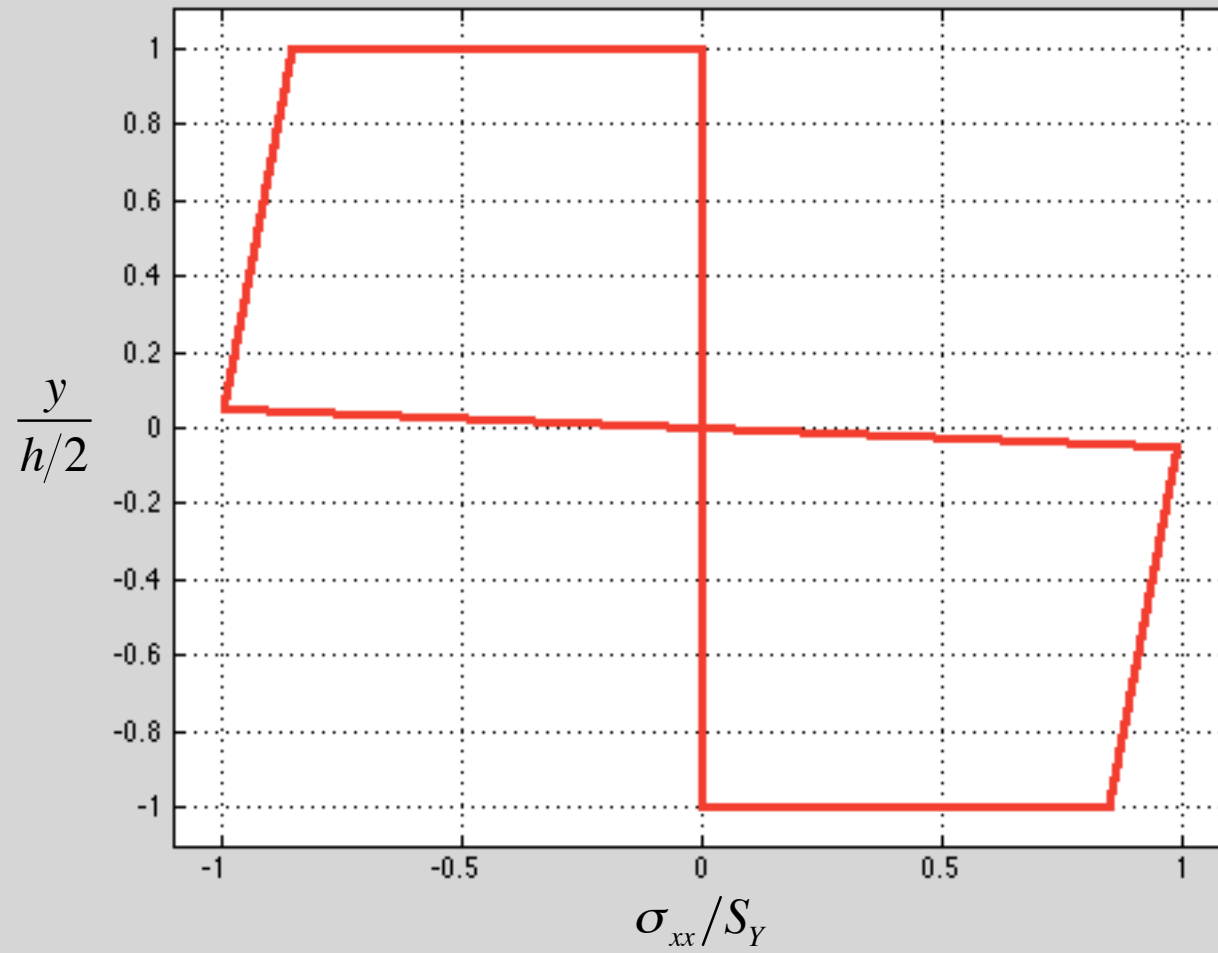
$$\kappa/\kappa_Y = 20$$

$$M/M_Y = 1.50$$



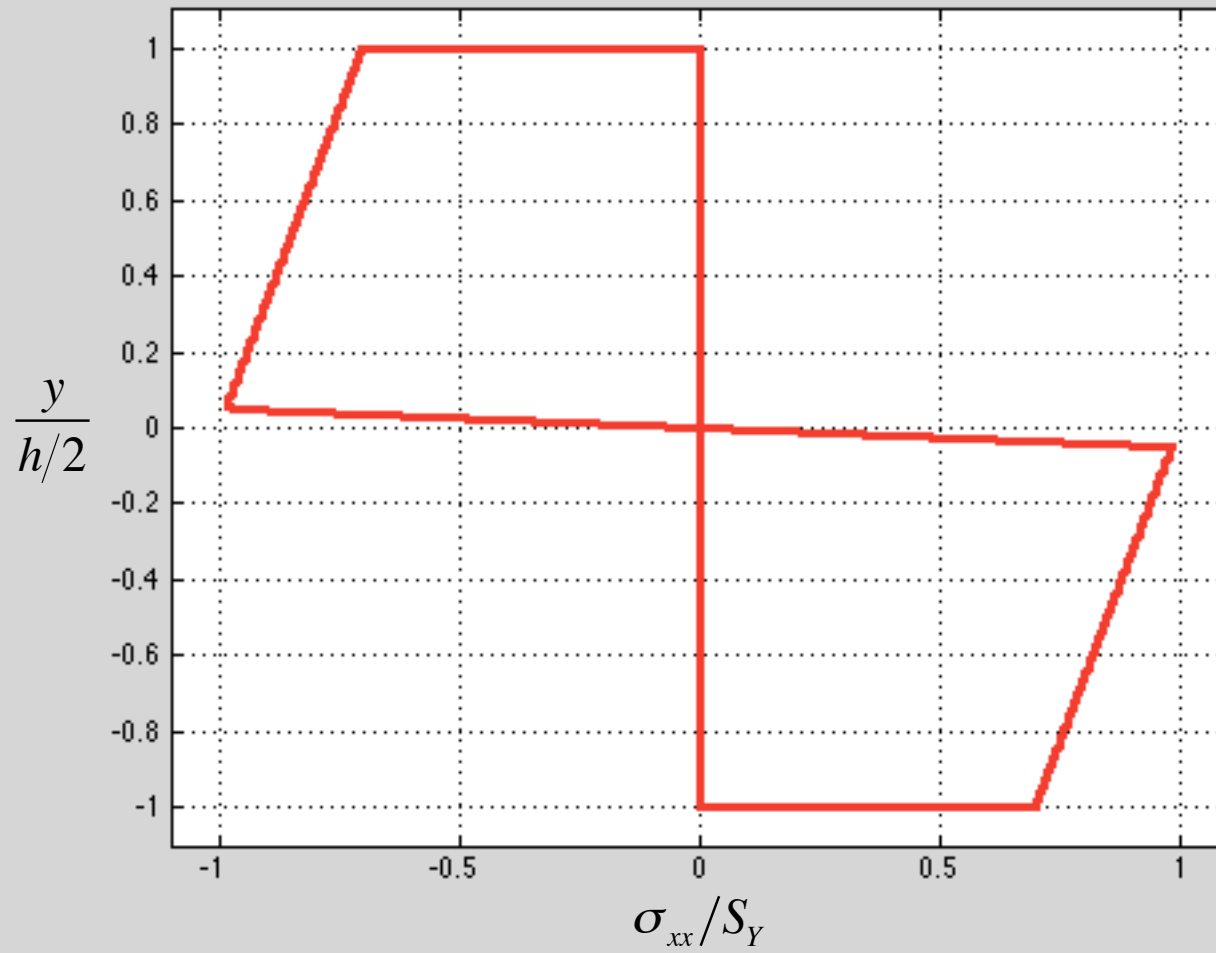
$$\kappa/\kappa_Y = 19.9$$

$$M/M_Y = 1.35$$



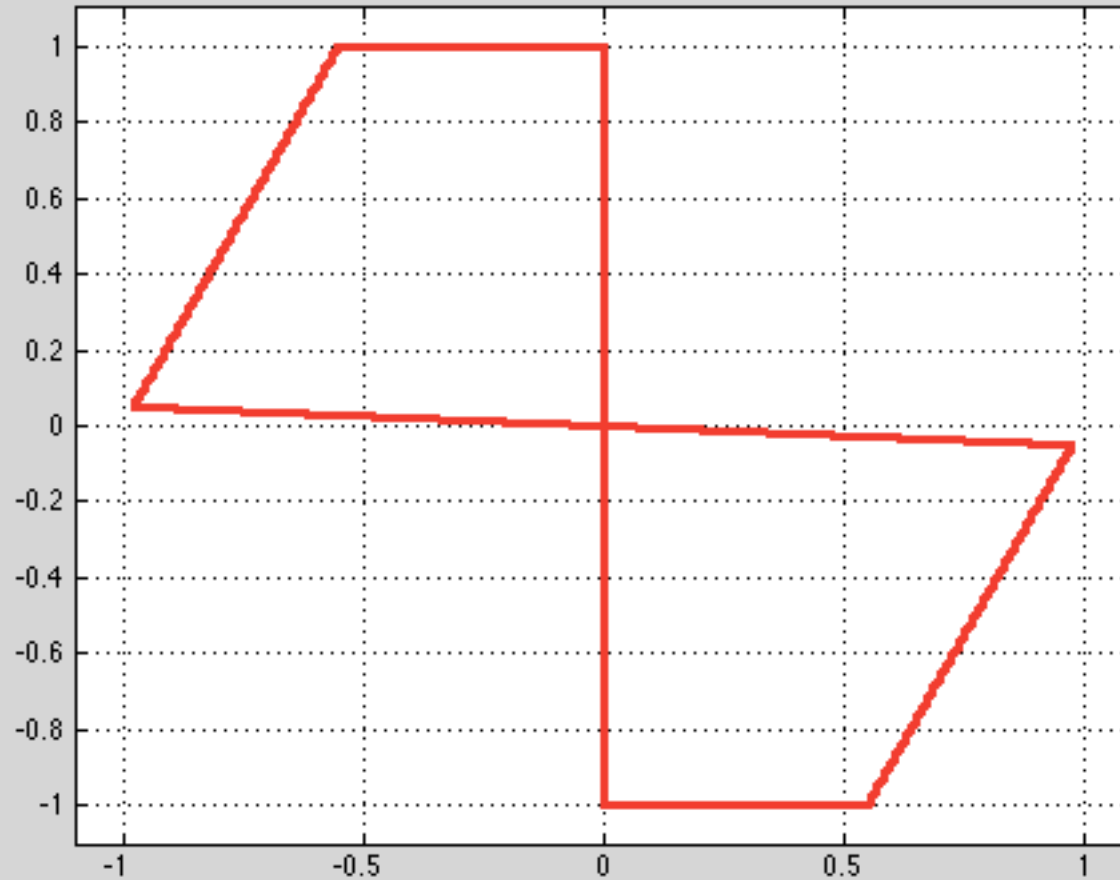
$$\kappa/\kappa_Y = 19.7$$

$$M/M_Y = 1.20$$



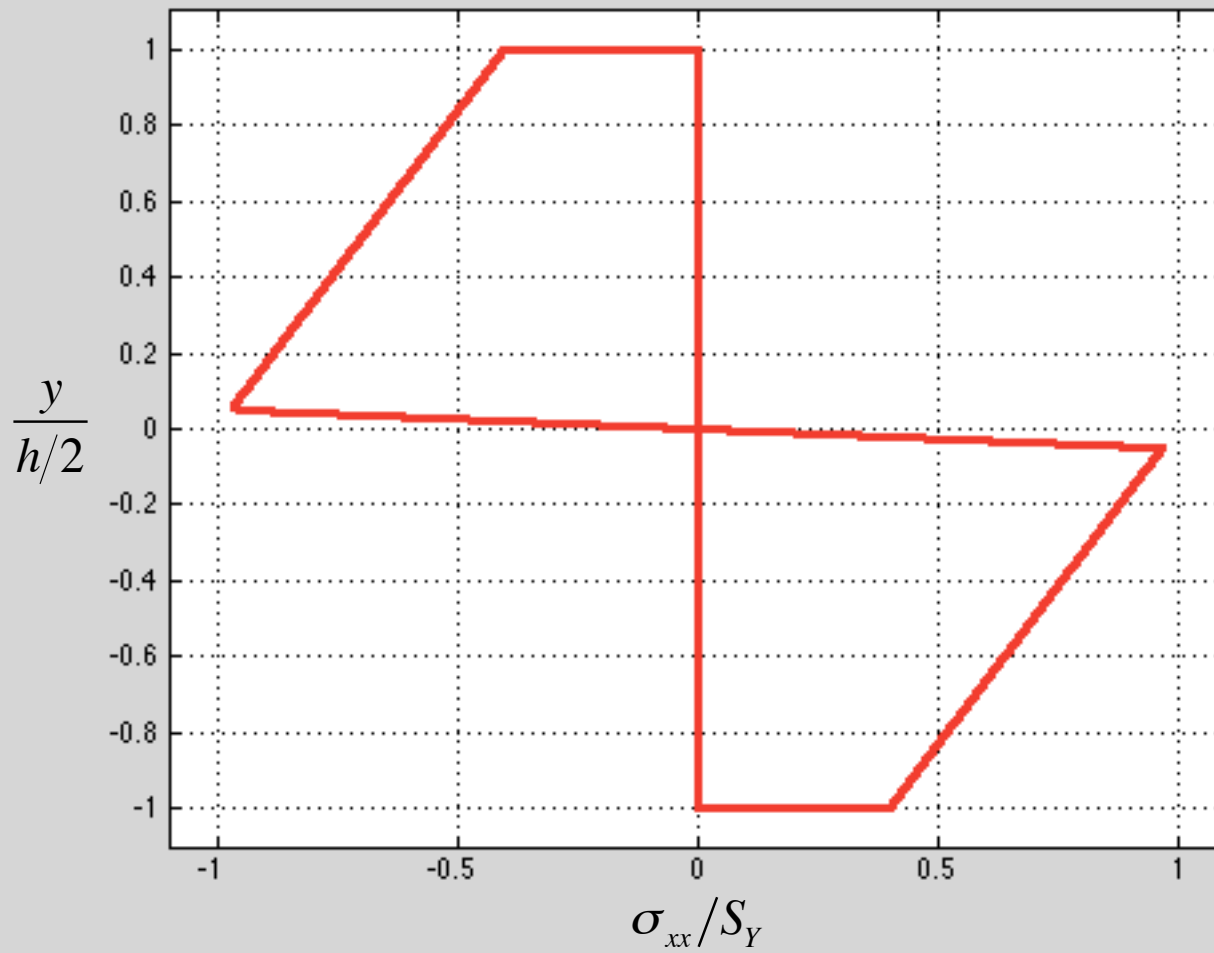
$$\kappa/\kappa_Y = 19.6$$

$$M/M_Y = 1.05$$



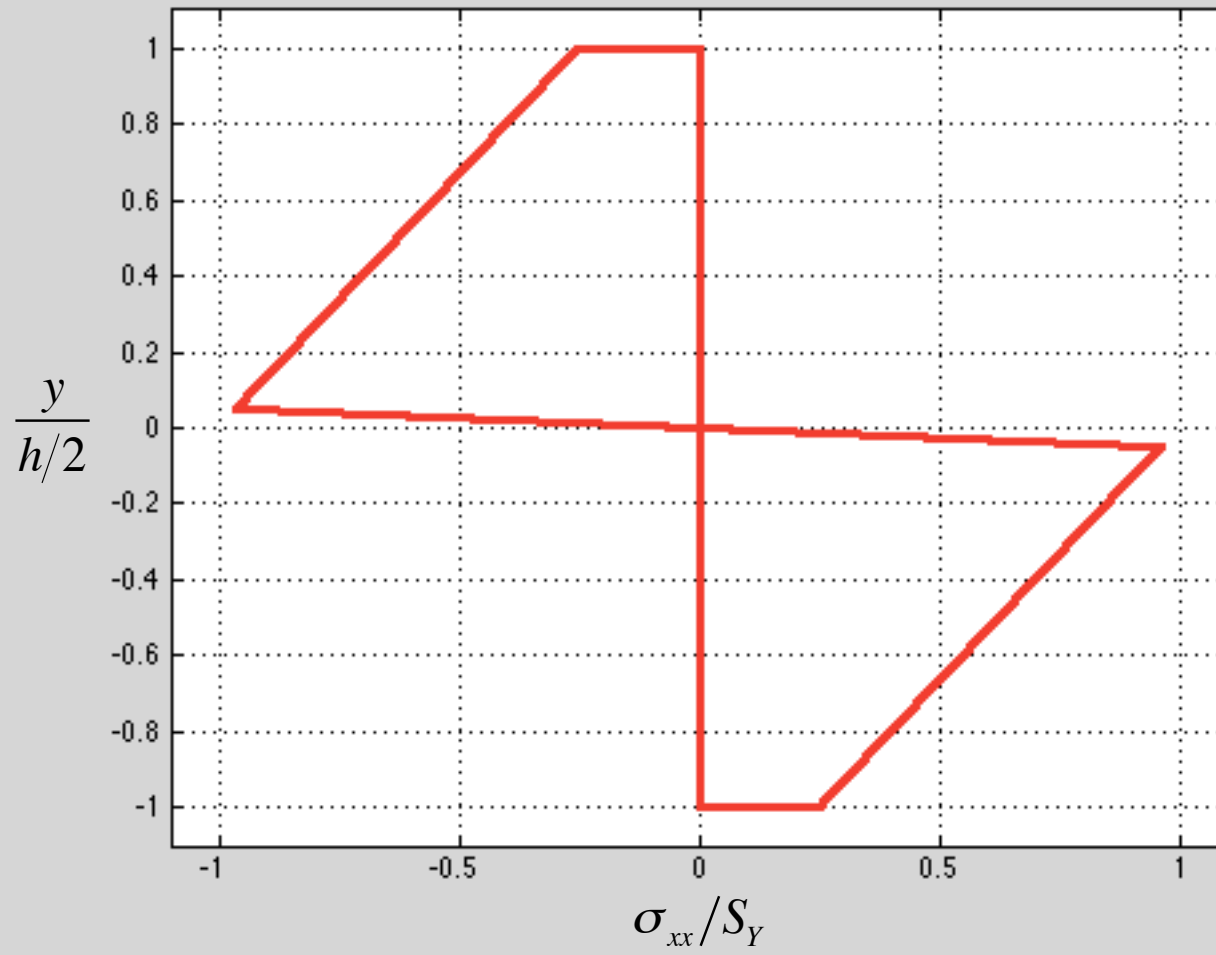
$$\kappa/\kappa_Y = 19.4$$

$$M/M_Y = 0.90$$



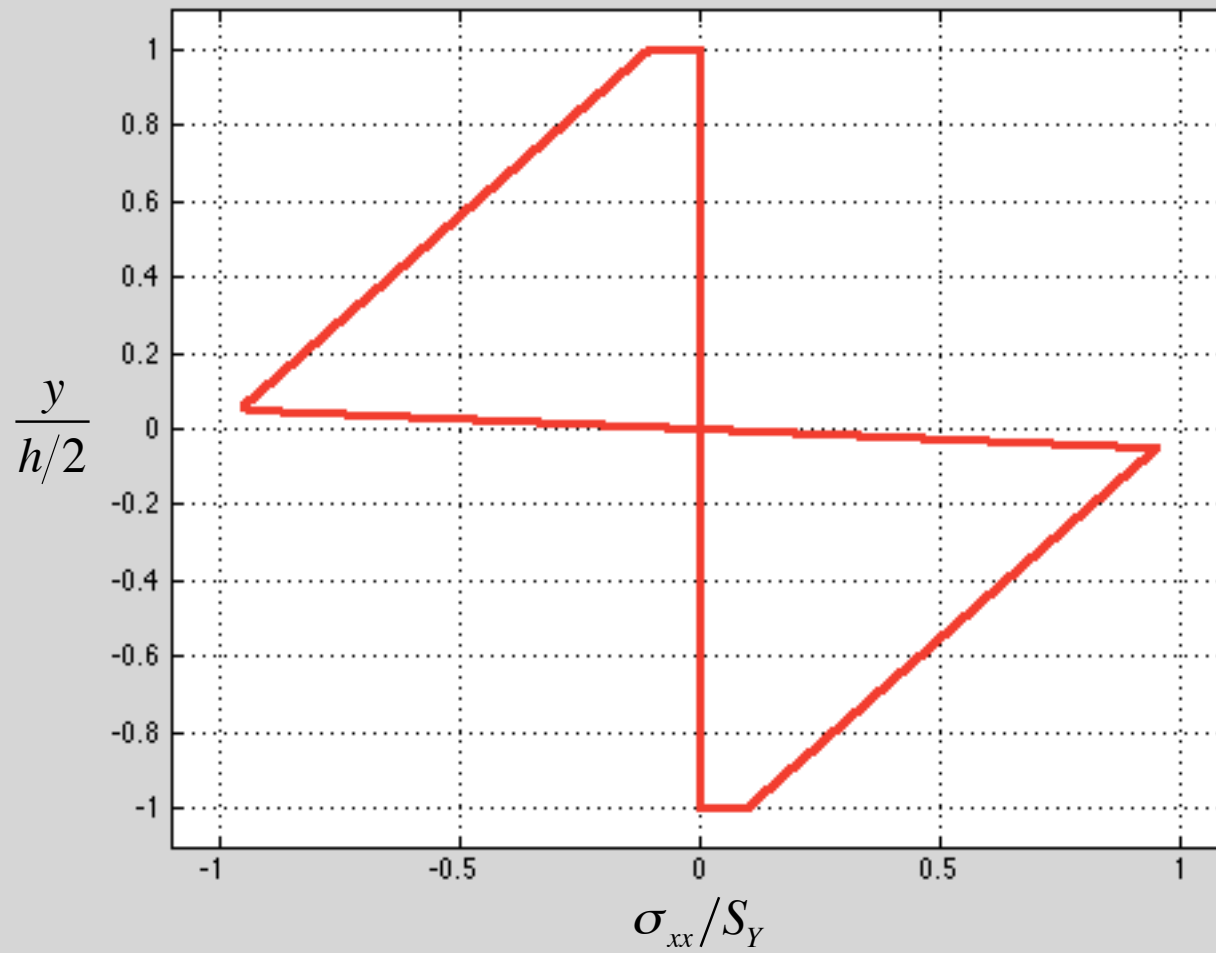
$$\kappa/\kappa_Y = 19.3$$

$$M/M_Y = 0.75$$



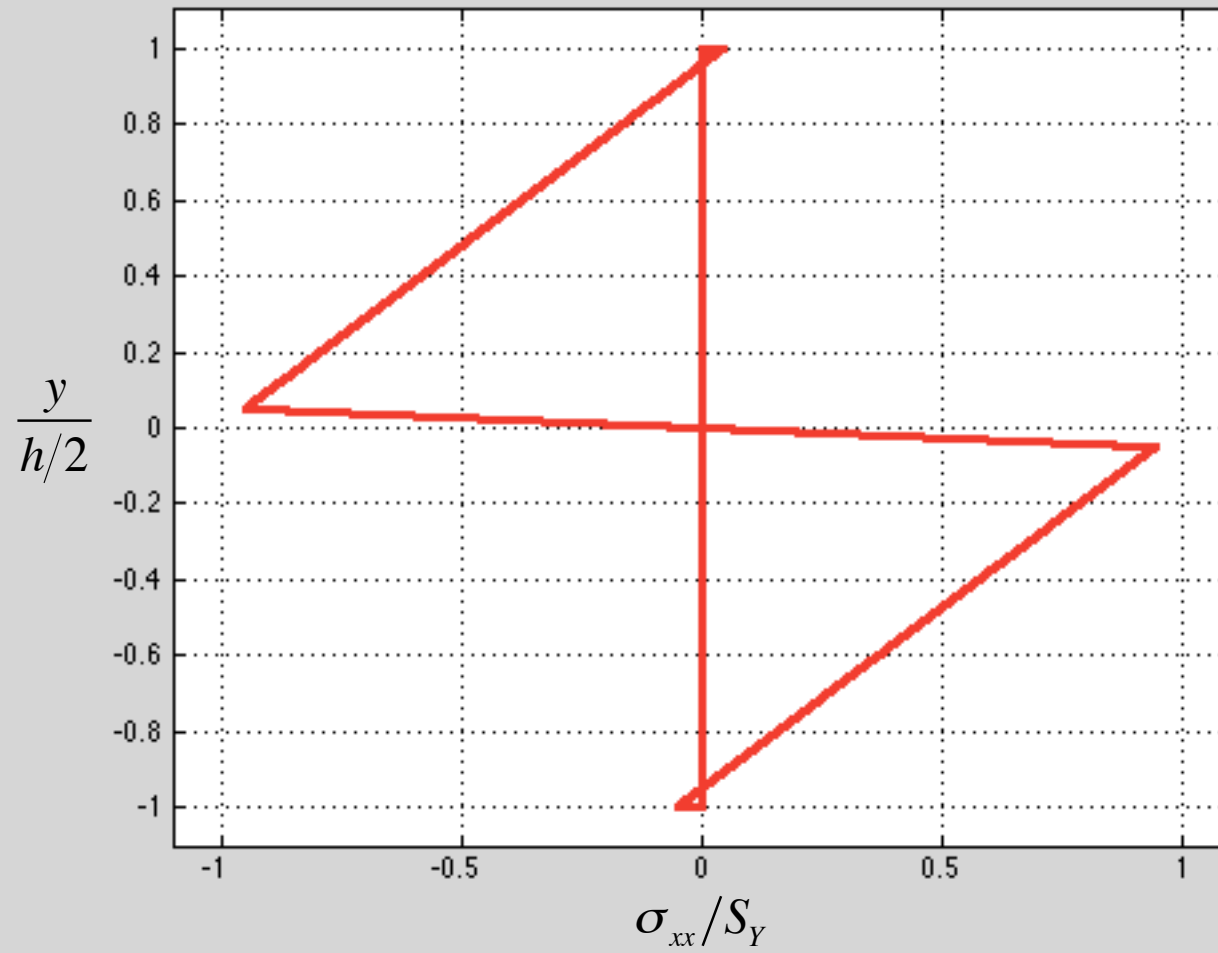
$$\kappa/\kappa_Y = 19.1$$

$$M/M_Y = 0.60$$



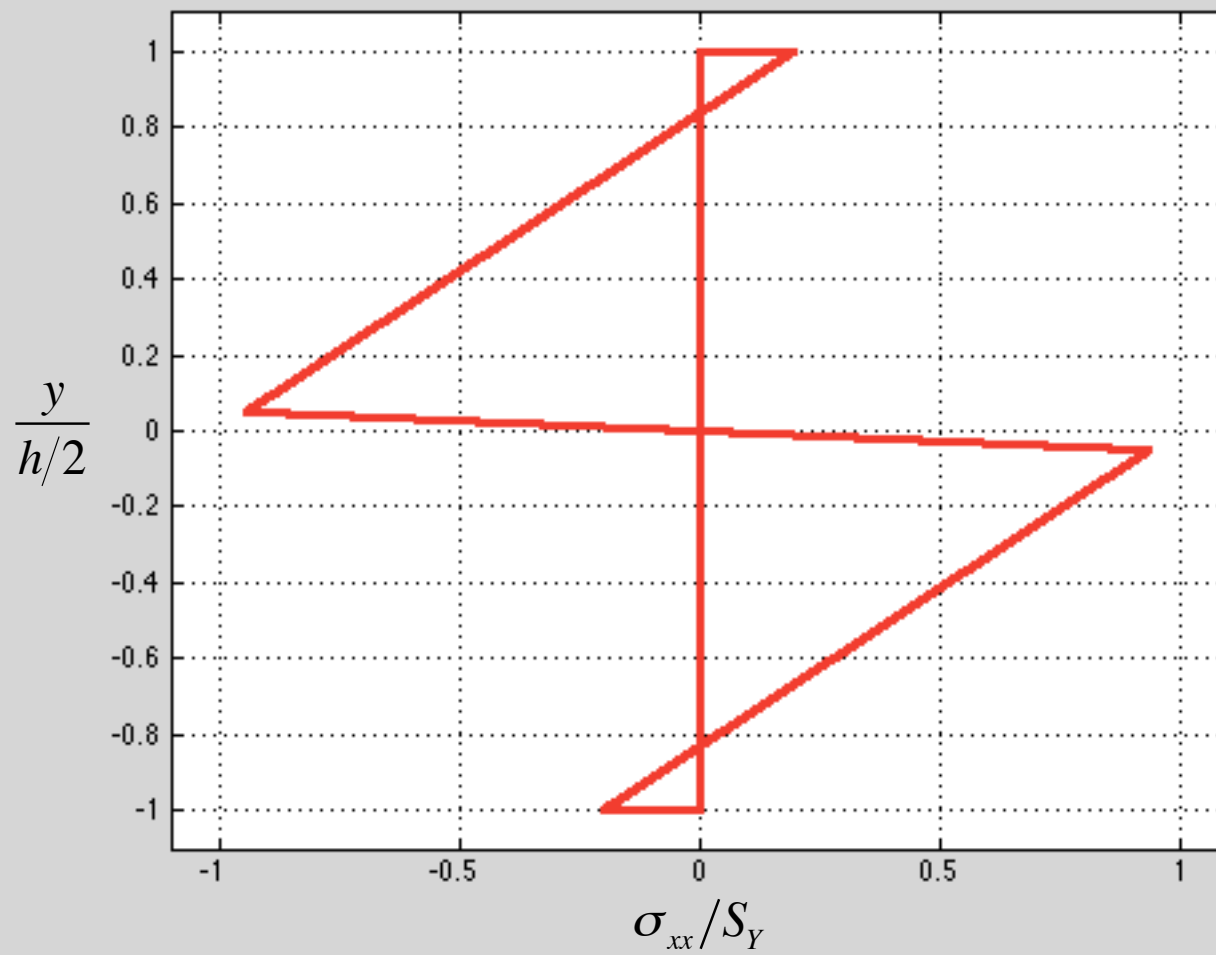
$$\kappa/\kappa_Y = 19.0$$

$$M/M_Y = 0.45$$



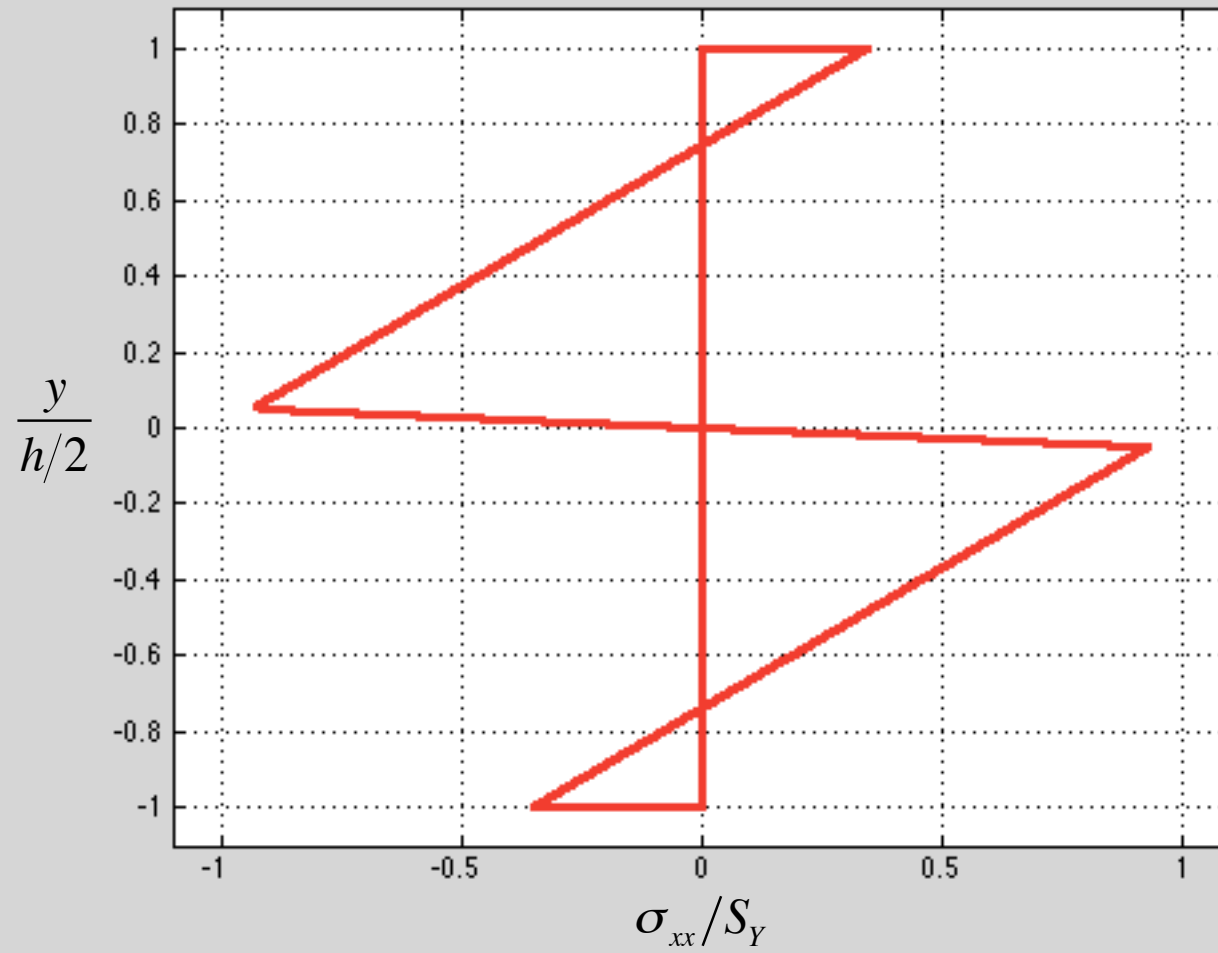
$$\kappa/\kappa_Y = 18.8$$

$$M/M_Y = 0.30$$



$$\kappa/\kappa_Y = 18.7$$

$$M/M_Y = 0.15$$



$$\kappa/\kappa_Y = 18.5$$

$$M/M_Y = 0$$

