Haigh diagram for S235

$R_m := 360\ MPa$

$R_e := 240\ MPa$

$y(x) := R_m - |x| \cdot MPa$

$z(w) := R_e - |w| \cdot MPa$

$u := 0 .. \frac{R_m}{MPa}$

$\sigma_{zd\_WN} := 140\ MPa$

$v(u) := \frac{-\sigma_{zd\_WN}}{R_m} \cdot u \cdot MPa + \sigma_{zd\_WN}$

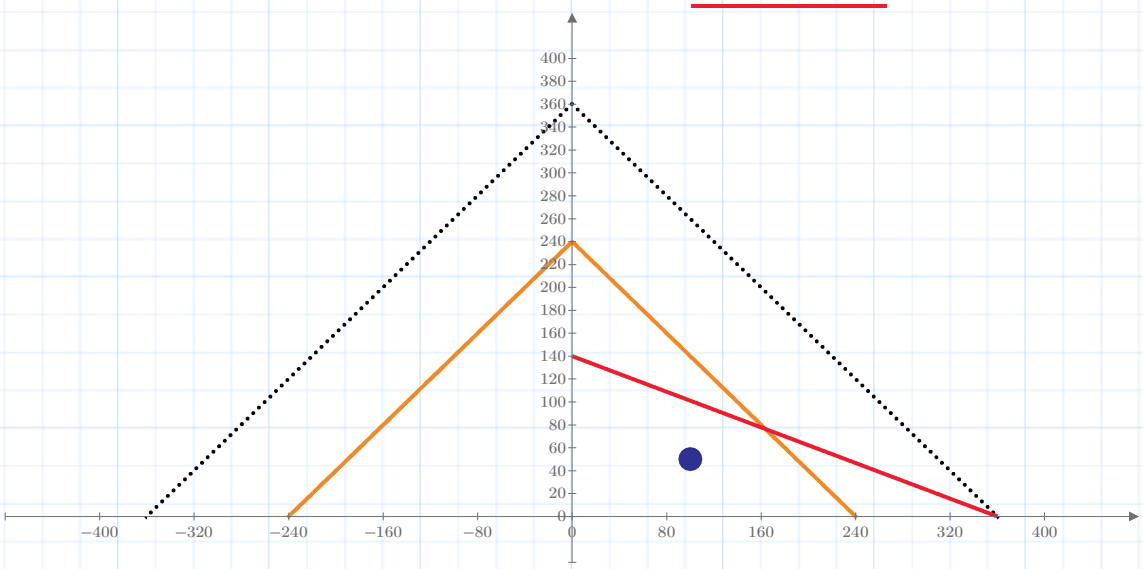
calculated: $\sigma_a := 50\ MPa$ $\sigma_m := 100\ MPa$

$\sigma_a\ (MPa)$

$y(x)\ (MPa)$

$z(w)\ (MPa)$

$v(u)\ (MPa)$



$\sigma_m\ (MPa)$ x w u