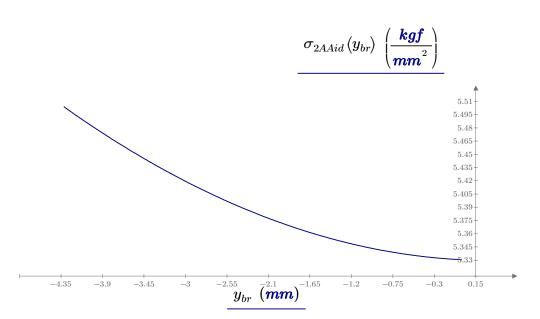
$$\sigma_{2AAid}\left(y_{br}\right)\coloneqq\sqrt{\sigma_{AA}\left(y_{br}\right)^{^{2}}+3\boldsymbol{\cdot}\boldsymbol{\tau}_{z}\left(y_{br}\right)^{^{2}}}$$



$$\sigma_{2AAid}\left(-\left(h-y_G\right)\right) = 5.504 \frac{kgf}{mm^2}$$