$$f(dx) \coloneqq \frac{\operatorname{interp}\left(y_S, x, y, \frac{d_t}{A_1}\right)}{s_1 \cdot (A_1 - d_t)} - \frac{\operatorname{interp}\left(y_S, x, y, \frac{d_t}{dx}\right)}{s_2 \cdot (dx - d_t)}$$

$$dx_1 \coloneqq A_1 = 220 \ \textit{mm}$$

$$dx_2 \coloneqq 3 \ A_1 = 660 \ \textit{mm}$$

$$dx_S \coloneqq \operatorname{root}\left(f(dx), dx, dx_1, dx_2\right) = 297.862 \ \textit{mm}$$

$$dx \coloneqq dx_1, dx_1 + \frac{dx_2 - dx_1}{50} ... dx_2$$

$$\sigma_l \coloneqq \frac{G_u + G_g + G_i}{4 \cdot s_1 \cdot (A_1 - d_t)} = 3.011 \ \frac{\textit{kgf}}{\textit{mm}^2}$$

$$\sigma_p \coloneqq \frac{G_u + G_g + G_i}{4 \cdot s_2 \cdot (dx_S - d_t)} = 2.394 \ \frac{\textit{kgf}}{\textit{mm}^2}$$

$$kt_l \coloneqq \operatorname{interp}\left(y_S, x, y, \frac{d_t}{A_1}\right) = 2.647$$

$$kt_p \coloneqq \operatorname{interp}\left(y_S, x, y, \frac{d_t}{dx_S}\right) = 3.329$$

$$\sigma_{maxl} \coloneqq kt_l \cdot \sigma_l = 7.97 \ \frac{\textit{kgf}}{\textit{mm}^2}$$

$$\sigma_{maxp} \coloneqq kt_p \cdot \sigma_p = 7.97 \ \frac{\textit{kgf}}{\textit{mm}^2}$$