$$I\_forward := \begin{pmatrix} 0.01A \\ 0.05A \\ 0.19A \\ 0.55A \\ 1.45A \\ 6.8A \end{pmatrix} \qquad U\_forward := \begin{pmatrix} 0.59V \\ 0.695V \\ 0.8V \\ 0.9V \\ 1V \\ 1.2V \end{pmatrix}$$

Interpolation linear:

$$U_{D0200}(I\_fwd) := linterp(I\_forward, U\_forward, I\_fwd)$$

$$U_{D0200}(4A) = 1.095\,V$$

Interpolation mit spline:

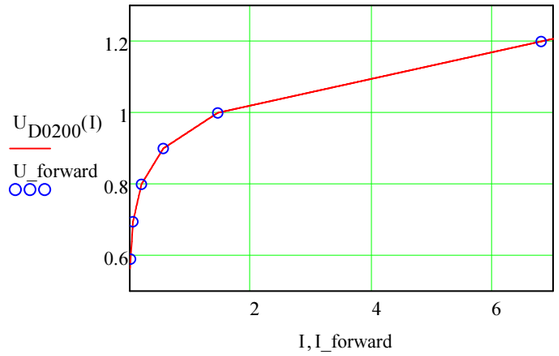
$$\_U_{D0200}(I\_fwd) := interp(lspline(I\_forward, U\_forward), I\_forward, U\_forward, I\_fwd)$$

$$\_U_{D0200}(4A) = 1.072\,V$$

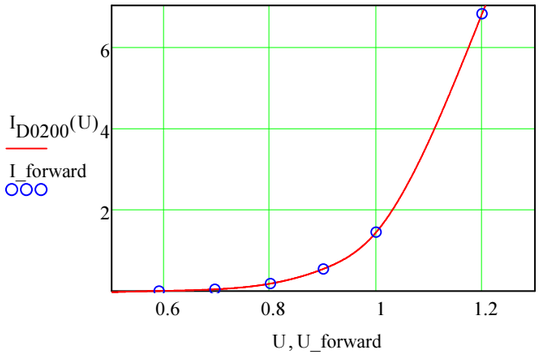
Interpolation mit spline:

$$I_{D0200}(U\_fwd) := interp(lspline(U\_forward, I\_forward), U\_forward, I\_forward, U\_fwd)$$

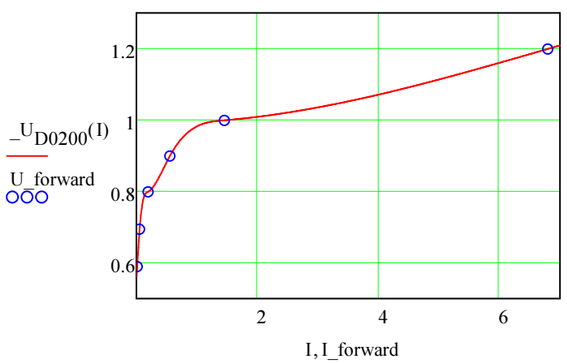
$$I_{D0200}(1.1V) = 3.695\,A$$



ungenau!



korrekt!



falsch!