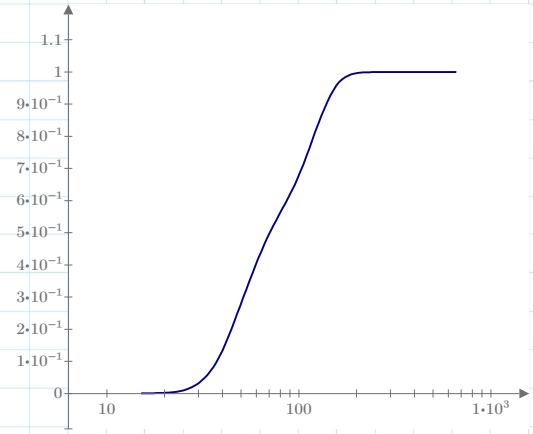
$Name := \text{"..\..\..\Data - Simulation\Data\SMPS\Concentration - SMPS - Initial.xlsx"}$

$N_c := \text{READEXCEL}(Name, \text{"280C 30psia T1!V22:V127"})$

$\text{D}_\text{p} := \text{READEXCEL}(Name, \text{"280C 30psia T1!A22:A127"})$



N_c

D_p

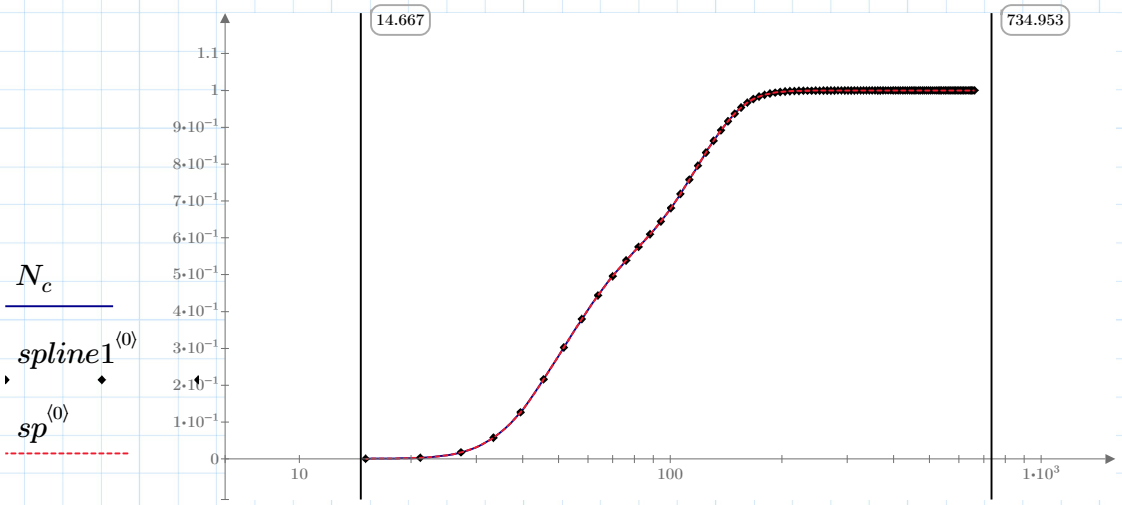
$$range(D_p) := \left\| \begin{array}{l} Vec \leftarrow \dfrac{0 \cdot (\max(D_p) - min(D_p))}{\text{length}(D_p)} + min(D_p) \\ \text{for } i \in 1 .. \text{length}(D_p) \\ \quad V \leftarrow \dfrac{i \cdot (\max(D_p) - min(D_p))}{\text{length}(D_p)} + min(D_p) \\ \quad Vec \leftarrow \text{stack}(Vec, V) \end{array} \right.$$

$b := \text{Spline2}(\text{D}_\text{p}, N_c, 3)$

$sp := \text{Binterp}(\text{D}_\text{p}, b)^{\text{T}}$

$spline1 := \text{Binterp}(range(\text{D}_\text{p}), b)^{\text{T}}$ $\qquad \text{DWS}(b) = 2.409$

$\text{T} := \text{WRITETEXT}(\text{"test.txt"}, sp^{\langle 1 \rangle})$



N_c

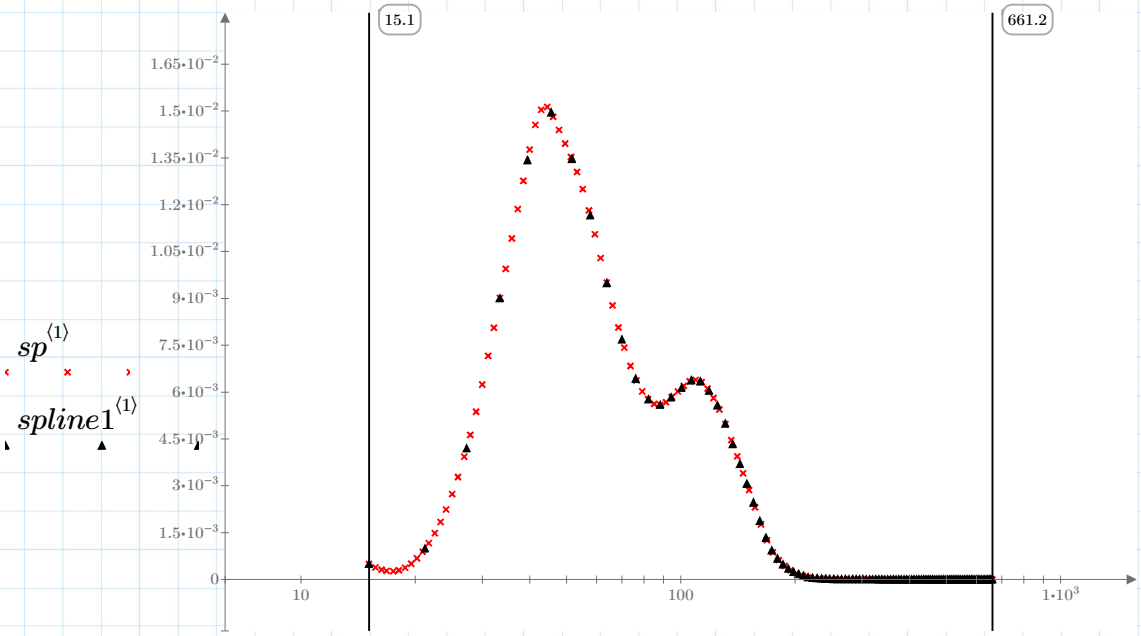
$spline1^{\langle 0 \rangle}$

$sp^{\langle 0 \rangle}$

D_p

$range\left(D_p\right)$

D_p



$sp^{\langle 1 \rangle}$

$spline1^{\langle 1 \rangle}$

D_p

$range\left(D_p\right)$