F1 and F2 are parameters to characterize the slope of the field at the edges defined as:

$$\begin{aligned}
\texttt{F1} &= \mathrm{sgn}(a)\sqrt{a}, \qquad a \equiv 24\left(\frac{I_0^2}{2} - I_1\right), \\
\texttt{F2} &= I_2 - \frac{I_0^3}{3} \\
\text{with } I_n &\equiv \int_{-\infty}^{\infty} (s - s0)^n \frac{K_1(s)}{K_{10}} ds\,,
\end{aligned}$$

where s_0 is the location of the edge where the effective length is defined, and $K_{10} = \texttt{K1/L}$.