

B.6.1 Computing q'_N , T_2 and k_c

The input relative fuel power (q'_{NFRAC}) is changed to linear element power (q'_N) by multiplying it with the initial linear element rating ($q'_{N_{\text{max}}}$) as given by DD25 of the SRS.

$$q'_N = q'_{\text{NFRAC}} q'_{N_{\text{max}}}; \quad (\text{B.8})$$

This q'_N is used to determine the relevant temperatures for the fuelpin. We evaluate linear element power as

17 $\langle \text{Calculation of } q'_N \text{ 17} \rangle \equiv$
 $*q_N = *q_NFRAC * (*q_Nmax);$

This code is used in chunks 15 and 57