

Parameter	Moderator	Fuel
$\Sigma_a, \text{ cm}^{-1}$	$\begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix}$	$\begin{pmatrix} 0.1 & 0 \\ 0 & 0 \end{pmatrix}$
$\Sigma_s, \text{ cm}^{-1}$	$\begin{pmatrix} 0 & 0 \\ 0.1 & 0.1 \end{pmatrix}$	$\begin{pmatrix} 0 & 0 \\ 0 & 0.05 \end{pmatrix}$
$\Sigma_f, \text{ cm}^{-1}$	$\begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix}$	$\begin{pmatrix} 0 & 0 \\ 0 & 0.05 \end{pmatrix}$
ν	—	1
χ	—	$\begin{pmatrix} 1.0 \\ 0 \end{pmatrix}$
$\Sigma_t, \text{ cm}^{-1}$	$\begin{pmatrix} 0 & 0 \\ 0.1 & 0.1 \end{pmatrix}$	$\begin{pmatrix} 0.1 & 0 \\ 0 & 0.1 \end{pmatrix}$
Q_{ext}	$\begin{pmatrix} 0 \\ 0.1 \end{pmatrix}$	$\begin{pmatrix} 0 \\ 0.1 \end{pmatrix}$
Location (cm)	$0 < x < 25$ $50 < x < 75$	$25 < x < 50$ $70 < x < 87.5$