

论文

## THE SOLUTION OF A PARAMETERIC EQUATION ARISING IN TRANSPORT THEORY

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**摘要** This paper deals with the solution of a neutron transport equation with parameter  $\delta$ . Using the theory of functional analysis, we discuss the distribution of the parameters which make the equation have a non-zero solution, and obtain a necessary and sufficient condition for the existence of the control critical eigenvalue  $\delta_0$  which possesses a physical meaning.

**关键词** [Transport equation,  \$\delta\$ -eigenvalue, compact operator](#)

分类号

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**Key words** [Transport equation](#)  [\$\delta\$ -eigenvalue](#) [compact operator](#) [positive definite operator](#)

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通讯作者

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