

论文

## THE RATIONALITY OF THE DISCRETE ORDINATES METHOD FOR TIME DEPENDENT NEUTRON TRANSPORT EQUATION

LI Xuezhi (1), ZHU Guangtian(1), LIANG Benzong(2)

(1)Institute of Systems Science, Academia Sinica, Beijing 100080, China;(2)Department of Mathematics, Xinyang Teachers College, Henan 464000, China

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**摘要** We know that the discrete ordinates method is an important numerical method for solving transport equation. For the steady state transfer equations, the rationalities of this method have been proved by many authors. But there is no result whether this method is valid for nonsteady state transport equations. In this paper, we solve this problem by means of the theory of integrated semigroups[1-3] which was first considered by W. Arendt[1,2].

**关键词** [Discrete ordinate method, neutron transp](#)

分类号

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**Key words** [Discrete ordinate method](#) [neutron transport equation](#) [integrated semigroups](#)

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