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发布人：毕洁　发表时间：2018-09-12　点击：3075 次

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2012.09-2017.06，武汉大学，数学与统计学院基础数学专业，理学博士；

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流体力学中的偏微分方程

科研课题

国家自然科学基金项目青年基金，11801530，高维粘性辐射反应流体力学方程组的大初值整体强解，2019-2021，主持。

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