

推导悬浮体二相流基本方程的一种新方法

刘大有, 王柏懿

中科院力学所, 100080

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摘要 本文提出了一种从基本守恒原理出发, 经过数学推导, 得到悬浮体二相流基本方程的新方法。由于这组方程形式简单, 而且其中各量都有简明的物理意义, 因此易于被人们理解和接受, 也更接近实用。

关键词 [悬浮体](#) [二相流.基本方程](#) [相间力](#) [分压强](#)

分类号

THE BASIC EQUATIONS FOR SUSPENSION FLOWS DERIVED THROUGH A NEW METHOD

中科院力学所, 100080

Abstract

This paper presents a new method, with which a set of basic equations for suspension flows is developed based on the conservation principles of mass, momentum and energy through a quite rigorous derivation. The equations are more practical and easily understood and acceptable since their form is simpler and the quantities in them have concise physical meaning.

Key words [suspension](#) [basic equation for two-phase flow](#) [interphase force](#) [partial pressure](#)

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