

RESEARCH NOTES

一个用于计算鼓泡塔平均循环速度的模型

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摘要 A new model without any fitting parameter for estimating the mean liquid recirculating velocity has been derived from previous work directly. The prediction agrees with experimental data reasonably well. Accuracy of prediction from the new model is comparable with the models reported in the literature. However, the new model has a potential capability to predict the average liquid recirculation velocity at elevated pressure bubble columns since n and c is developed under pressure. However this needs to be further tested experimentally.

关键词 [mean liquid velocity](#) [correlation prediction](#) [bubble column](#)

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A New Model for Prediction of Mean Liquid Circulating Velocity in Bubble Columns

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Abstract A new model without any fitting parameter for estimating the mean liquid recirculating velocity has been derived from previous work directly. The prediction agrees with experimental data reasonably well. Accuracy of prediction from the new model is comparable with the models reported in the literature. However, the new model has a potential capability to predict the average liquid recirculation velocity at elevated pressure bubble columns since n and c is developed under pressure. However this needs to be further tested experimentally.

Key words [mean liquid velocity](#); [correlation prediction](#); [bubble column](#)

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