TRANSPORT PHENOMENA & FLUID MECHANICS

通过速度-时间数据的小波变换研究筛板式鼓泡塔中的湍流结构

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Wavelet Transform of Velocity-Time Data for the Analysis of Turbulent Structures in a Trayed Bubble Column

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Abstract Hydrodynamic and unblusted structures in the trayed babble column with L2m inner diameter have been characterized from liquid phase velocity—time series data obtained by the bot-film amonometer. Wavelet transform analysis was used for denoising the measured data and also for evaluating quantifiers of a unbluscent structures in the trayed babble column with L2m inner diameter have been characterized from liquid phase velocity—time series data obtained by the bot-film amonometer. Wavelet transform analysis was used for denoising the measured data and also for evaluating quantifiers of a unbluscent structure, intermittency, when a climaterinethrous personant intermittency are unstained. Intermittency was used for denoising the measured data and also for evaluating quantifiers of a unbluscent structure in intermittency was used. Intermittency was used for denoising the measured data and also for evaluating quantifiers of a unbluscent structure in the structure in the structure in the trayed babble column performance and shows promise for developing strategies for improving process performance.

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