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Determination of all hydrodynamically stable and easily predictable conditions in various bubble columns

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Authors:	Stoyan Nedeltchev , Jakub Katerla
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Tags:	hydrodynamically stable bubble columns , different entropies , new hybrid index

Abstract: The reliable operation of bubble columns depends on the selection of hydrodynamically stable conditions. They have been defined based on the fully predictable behavior of an identification parameter in a certain gas velocity range. In order to define these stable conditions, three key parameters (Kolmogorov entropy, new hybrid index and information entropy) have been extracted from various intrusive and non-intrusive measurements in water, ethanol, thermanol LT and benzonitrile.

Attachments:

[Zeszyt-25-2021](#) pdf, 6.38 MB

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