

# Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/determination-of-all-hydrodynamically-stable-and-easily-predictable-conditions-in-various-bubble-columns>

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

<b>Publication date:</b>	30.12.2021
<b>Publication title:</b>	<a href="#">Determination of all hydrodynamically stable and easily predictable conditions in various bubble columns</a>
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**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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