

RESEARCH PAPERS

第三组分对气液传质影响的研究

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摘要 The influence of the third component on gas-liquid mass transfer was studied by use of laser holographic interferometry. Four surfactants were added respectively and experimental results show that the microamount of surfactants can change obviously the concentration near the interface on bubble mass transfer process, which indicated that the third component has a significant effect on the bubble mass transfer process.

关键词 [micro laser holographic interference](#) [mass transfer](#) [concentration field](#)

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Studies on the Influence of Third Component on Gas-Liquid Mass Transfer

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Abstract The influence of the third component on gas-liquid mass transfer was studied by use of laser holographic interferometry. Four surfactants were added respectively and experimental results show that the microamount of surfactants can change obviously the concentration near the interface on bubble mass transfer process, which indicated that the third component has a significant effect on the bubble mass transfer process.

Key words [micro laser holographic interference](#); [mass transfer](#); [concentration field](#)

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