

Accepted Manuscript

Effects of N₂ and CO₂ Dilution on the Combustion Characteristics of C₃H₈/O₂ Mixture in A Swirl Tubular Flame Burner

Xiaoyao Zhao, Baolu Shi, Weikang Peng, Qing Cao, Dingjiang Xie, Wei Dong, Ningfei Wang

PII: S0894-1777(18)30882-3
DOI: <https://doi.org/10.1016/j.expthermflusci.2018.09.009>
Reference: ETF 9605

To appear in: *Experimental Thermal and Fluid Science*

Received Date: 15 November 2017
Revised Date: 10 September 2018
Accepted Date: 10 September 2018

Please cite this article as: X. Zhao, B. Shi, W. Peng, Q. Cao, D. Xie, W. Dong, N. Wang, Effects of N₂ and CO₂ Dilution on the Combustion Characteristics of C₃H₈/O₂ Mixture in A Swirl Tubular Flame Burner, *Experimental Thermal and Fluid Science* (2018), doi: <https://doi.org/10.1016/j.expthermflusci.2018.09.009>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Effects of N₂ and CO₂ Dilution on the Combustion Characteristics of
C₃H₈/O₂ Mixture in A Swirl Tubular Flame Burner

Xiaoyao ZHAO¹, Baolu SHI^{1*}, Weikang PENG², Qing CAO¹, Dingjiang XIE¹, Wei Dong¹,
Ningfei WANG¹

¹School of Aerospace Engineering, Beijing Institute of Technology, No.5 ZhongGuanCun South Street, HaiDian, Beijing, 100081, CHINA

²AECC Sichuan Gas Turbine Establishment, No.6 Xinjun Street, Xindu District, Chengdu, Sichuan, 610500, China

Corresponding Author:

Baolu SHI,

E-mail: shibaolu@bit.edu.cn, smashingsky@hotmail.com Tel : +86-10-6891-3623

School of Aerospace Engineering, Beijing Institute of Technology, No.5 ZhongGuanCun South Street, Haidian, Beijing, 100081, CHINA

Download English Version:

<https://daneshyari.com/en/article/11031497>

Download Persian Version:

<https://daneshyari.com/article/11031497>

[Daneshyari.com](https://daneshyari.com)