

Accepted Manuscript

Effect of acoustic excitation on flames of swirling dual-disk double-concentric jets

Omid Ali Zargar, Rong Fung Huang, Ching Min Hsu

PII: S0894-1777(18)31082-3

DOI: <https://doi.org/10.1016/j.expthermflusci.2018.09.018>

Reference: ETF 9614

To appear in: *Experimental Thermal and Fluid Science*

Received Date: 11 June 2018

Revised Date: 25 September 2018

Accepted Date: 25 September 2018

Please cite this article as: O. Ali Zargar, R. Fung Huang, C. Min Hsu, Effect of acoustic excitation on flames of swirling dual-disk double-concentric jets, *Experimental Thermal and Fluid Science* (2018), doi: <https://doi.org/10.1016/j.expthermflusci.2018.09.018>

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.



**Effect of acoustic excitation on flames of swirling dual-disk
double-concentric jets**

Omid Ali Zargar^a, Rong Fung Huang^{a,*}, and Ching Min Hsu^b

^a *Department of Mechanical Engineering, National Taiwan University of Science and Technology, Taipei 10672, Taiwan, Republic of China.*

^b *Department of Mechanical Design Engineering, National Formosa University, Yunlin County 63246, Taiwan, Republic of China.*

Submitted to
Experimental Thermal and Fluid Science
for consideration of publication

September 25, 2018

Keywords:

Combusting double-concentric jets, acoustic excitation, flame control,
thermochemical structure of flame

* Corresponding author.

Address: Department of Mechanical Engineering, National Taiwan University of Science and Technology, 43 Keelung Road, Section 4, Taipei, Taiwan, R.O.C. Tel.: +886-2-2737-6488; Fax: +886-2-2737-6460

E-mail address: rfhuang@mail.ntust.edu.tw (R. F. Huang)

Download English Version:

<https://daneshyari.com/en/article/11031518>

Download Persian Version:

<https://daneshyari.com/article/11031518>

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