



Synchronization of a standing wave thermoacoustic prime-mover by an external sound source

Guillaume Penelet, Tetsushi Biwa

► To cite this version:

Guillaume Penelet, Tetsushi Biwa. Synchronization of a standing wave thermoacoustic prime-mover by an external sound source. Acoustics 2012, Apr 2012, Nantes, France. hal-00810883

HAL Id: hal-00810883

<https://hal.science/hal-00810883>

Submitted on 23 Apr 2012

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



ACOUSTICS 2012

Synchronization of a standing wave thermoacoustic prime-mover by an external sound source

G. Penelet^a and T. Biwa^b

^aLaboratoire d'acoustique de l'université du Maine, Bât. IAM - UFR Sciences Avenue Olivier Messiaen 72085 Le Mans Cedex 9

^bDepartment of Mechanical Systems and Design, Tohoku University, 980-8579 Sendai, Japan
guillaume.penelet@univ-lemans.fr