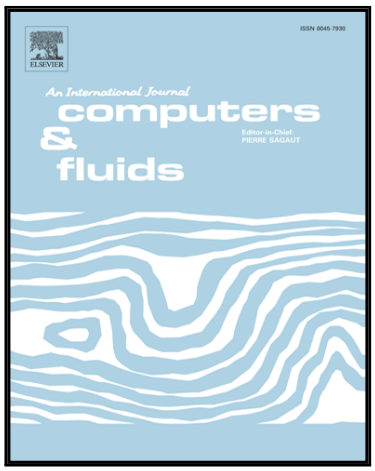
Accepted Manuscript



Numerical Simulation of Acoustic Scattering by a Plane Turbulent Shear Layer: Spectral Broadening Study

I. Bennaceur, D.C. Mincu, I. Mary, M. Terracol, L. Larchevêque, P. Dupont

PII: S0045-7930(16)30258-4
DOI: 10.1016/j.compfluid.2016.08.012
Reference: CAF 3258

To appear in: *Computers and Fluids*

Received date: 15 March 2016
Revised date: 22 July 2016
Accepted date: 22 August 2016

Please cite this article as: I. Bennaceur, D.C. Mincu, I. Mary, M. Terracol, L. Larchevêque, P. Dupont, Numerical Simulation of Acoustic Scattering by a Plane Turbulent Shear Layer: Spectral Broadening Study, *Computers and Fluids* (2016), doi: 10.1016/j.compfluid.2016.08.012

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.

ACCEPTED MANUSCRIPT

Highlights

- The LES of the acoustic wave scattering by a turbulent shear layer is performed.
- The spectra shape of the scattered field exhibit typical scattering features.
- The amount of scattered energy and the position of the side-lobes is well retrieved.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/7156622

Download Persian Version:

https://daneshyari.com/article/7156622

Daneshyari.com