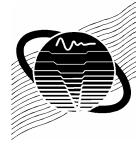


Determination of Particle Velocity

Application: Open-Ended Duct

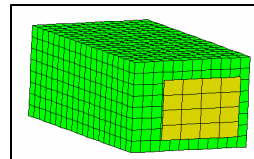
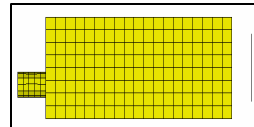
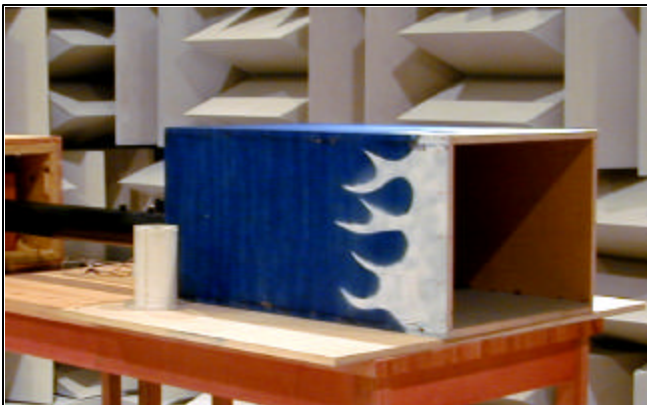
Amy Sandman
Kirk Fallis
Ferdy Martinus
University of Kentucky

Vibro-Acoustics Consortium



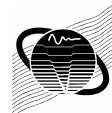
Experimental Setup

Determination of Particle Velocity



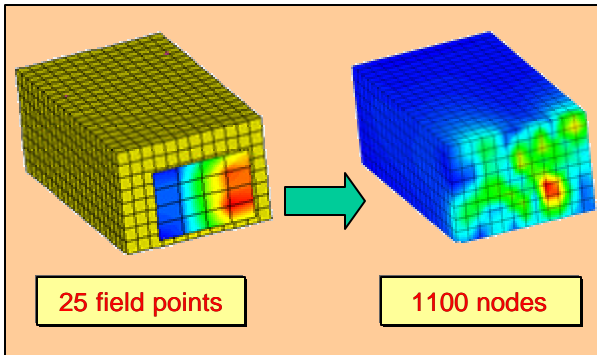
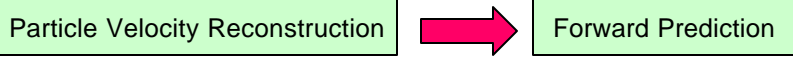
25 field points 10 cm in front of the opening

Vibro-Acoustics Consortium

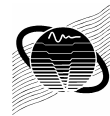


Reconstruction Process

Determination of Particle Velocity



- ❖ Radiated sound power
- ❖ Field point sound pressure
- ❖ Far-field directivity



Applications

Determination of Particle Velocity

