

ACOUSTICS2008/705 Education software for numerical acoustics

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Numerical computations tools and scientific computing programs are more and more used by acousticians. This induces that higher education institutions have to include numerical techniques in their programs. Several general aspects should be considered while designing such courses; they are the initial level of the students, their ability with mathematics and/or physics and the aim of the formation. Particular aspects on the choice of a type of software and the methodology need also to be studied.

This talk will detail these aspects around the numerical courses at Université du Maine in Le Mans (France) whose formations ranges are from sound and vibration technicians to PhD students. Some typical examples and numerical tools will be presented to illustrate the purpose.