Coupled FE/BE formulations for the fluid-structure interaction

Olaf Steinbach[1]

We present and discuss several coupled finite and boundary element formulations in vibro-acoustics. All formulations are based on the different use of standard boundary integral equations. Besides a direct simulation we also focus on the solution of the related eigenvalue problem.

[1] TU Graz, Institut für Numerische Mathematik, Steyrergasse 30, 8010 Graz, Austria,
`o.steinbach@tugraz.at`