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Cut-on, cut-off transition of sound in slowly varying flow ducts. (English) Zbl 0996.76079
Aerotec. Missili Spazio 79, No. 3-4, 93-96 (2000).

Summary: We study the cut-on/cut-off transition of a slowly varying acoustic mode in a slowly varying hard-walled duct with irrotational isentropic mean flow. The usual turning point behaviour is found.

MSC:

76Q05 Hydro- and aero-acoustics

Cited in **3** Documents

Keywords:

cut-on/cut-off transition; slowly varying acoustic mode; slowly varying hard-walled duct; irrotational isentropic mean flow; turning point