

CARPATHIAN J. MATH.
24 (2008), No. 1, 76 - 81

Singular Sturm-Liouville boundary value problems under nonresonance conditions

DEZIDERIU MUZSI

ABSTRACT. In this paper using the abstract theory from [7] we establish the existence of weak solutions (in the energetic space) for Sturm-Liouville boundary value problems with singularities.

DEPARTMENT OF APPLIED MATHEMATICS
"BABEȘ-BOLYAI" UNIVERSITY
400084 CLUJ-NAPOCA, ROMANIA