



SAPIENZA  
UNIVERSITÀ DI ROMA



LECTURE

# Singular Boundary Value Problems With Real World Applications

BY

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### ABSTRACT

We shall provide easily verifiable sufficient conditions which guarantee the existence of solutions to some singular boundary value problems over finite and infinite intervals. The motivation of these problems comes from real world applications. The importance of our theory is that it provides lower and/or upper solutions to each problem we shall discuss. These lower and upper solutions have been used very effectively to construct approximate solutions.

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