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Christopher C. Tisdell* (cct@unsw.edu.au), School of Mathematics, The University of New South Wales, UNSW, Sydney, NSW 2052, Australia. *Solvability of some nonlinear boundary value problems.*

In this talk I will analyse some first- and second-order boundary value problems with nonlinear right-hand sides. In particular, the question of "existence of solutions" to these useful mathematical equations will be discussed.

The talk will be at a suitable level for non-specialists and graduate students. (Received September 12, 2006)