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Some Sturm–Liouville type results for the p -Laplacian

A review will be given of some recent work on nonlinear (but homogeneous) generalisations of the Sturm–Liouville problem involving the p -Laplacian.

Many (but not all) of the usual questions are understood when the problem is regular, definite and with separated boundary conditions, but interesting issues arise when these assumptions are dropped, individually or in combination.