MATH 527 LECTURE 19 EXERCISES AND PROBLEMS

Exercises.

Problems.

Problem*.

 $\ensuremath{\mathbf{Problem.}}$ Consider the 1D wave equation with variable coefficients:

$$u_{tt} - c(x) (c(x) u_x)_x = 0.$$
(1)

Formulate a "domain of dependence" theorem and prove it.