## Dimitrios A. Kandilakis Pseudomonotonicity and nonlinear hyperbolic equations

Comment.Math.Univ.Carolinae 38,3 (1997) 463-469.

**Abstract:** In this paper we consider a nonlinear hyperbolic boundary value problem. We show that this problem admits weak solutions by using a lifting result for pseudomonotone operators and a surjectivity result concerning coercive and monotone operators.

 $\textbf{Keywords:} \ \ \textbf{pseudomonotone} \ \ \textbf{operator}, \ \textbf{demicontinuous} \ \ \textbf{operator}, \ \textbf{maximal monomorphism}$ 

tone operator, weak solution

AMS Subject Classification: 35A05, 35L20