

A boundary value problem for a fractional differential equation

Paul Eloe

University of Dayton

Abstract: We will consider a two-point boundary value problem for a Riemann-Liouville type fractional differential equation. The talk is intended as an introduction so definitions and concepts will be given so the talk is self-contained. A particular Banach space is constructed so that well-known results about positive operators on Banach spaces can be applied.