

## Existence and Uniqueness of Solutions to Singular Higher Order Two-Point BVPs on Time Scales

**Authors :** Zhenjie Liu

**Abstract :** This paper investigates the existence and uniqueness of solutions for singular higher order boundary value problems on time scales by using mixed monotone method. The theorems obtained are very general. For the different time scale, the problem may be the corresponding continuous or discrete boundary value problem.

**Keywords :** mixed monotone operator, boundary value problem, time scale, green's function, positive solution, singularity

**Conference Title :** ICM 2014 : International Conference on Mathematics

**Conference Location :** Paris, France

**Conference Dates :** April 28-29, 2014