

## Abstract

In this thesis we introduce the notion of interval valued  $(h_1, h_2)$  Godunova-Levin function. By using this notion we investigate some properties of interval valued  $(h_1, h_2)$  Godunova-Levin function. Moreover we establish Hermite-Hadamard and Jensen-type inequalities for interval valued  $(h_1, h_2)$  Godunova-Levin function. Further we have presented couple of applications of these results.