

# **Abstract**

**El-Hady I Soliman**

## **Recent Approaches for Solving Differential Games**

Differential games adopts characteristics from game theory and optimal control theory, although it is much more versatile than each of and are particularly designed to study systems where decisions and observations are made in real time (continuous discrete), which has received considerable attention in recent years for many practical fields. This work is to introduce new models approaches for continuous differential games and investigate its parametric stability notions of such games in both the objective functions and constraints.