# Abstract

In this research, some new sufficient conditions to the oscillatory property of all solutions for first order neutral differential equation with positive and negative coefficients and constant delays had acquired.

Chapter one concerns to submit the basic definitions and concepts of delay differential equations. The qualitative oscillation property of all solutions of differential equations had introduced. Some important lemmas had given.

In chapter two, we proved new lemmas and theorems to guarantee the oscillatory property of all solutions of first order neutral differential equation with positive and negative coefficients and constant delays.