Abstract

In this paper we solve the MSEIR epidemic model by using the differential fractional transformation method. Using the differential Riemann-Liouville and the Caputo fractional derivative; we study convergent of MSEIR epidemic model; we use some theorems of fractional to introduce the solution of MSEIR epidemic Model. Numerical results are provided to confirm the theoretical result and the efficiency of the proposed method.

References

On the Differential Fractional Transformation Method of MSEIR Epidemic Model


Index Terms

Computer Science
Applied Mathematics

Keywords
Caputo and Riemann-Liouville of fractional; theorems of fractional; we study convergent of MSEIR epidemic Model; MSEIR Model; numerical solutions