A STUDY OF THE OBSERVABILITY OF PREY-PREDATOR SYSTEMS

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Abstract

In this paper, the observability of Lotka Volterra prey predator system of equations is studied. Two models are considered for the purpose of supporting the local observability of prey-predator system of equations for both two and three species. Also, numerical examples are analysed to support the argument.

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Key Words : *Stability, Controllability, Observability.*