

1020-49-127

**Hem Raj Joshi\*** ([joshi@xavier.edu](mailto:joshi@xavier.edu)), Xavier University, 3800 Victory Parkway, Cincinnati, OH 45207-4441. *Over View of Optimal Control and Its Application to Real World Problems.*

We will give optimal control background of ODE and PDE models and its application to biology. Techniques for proving existence and uniqueness will be shown and numerical results will be illustrated. (Received August 23, 2006)