# Dynamic Transition for Activator-substrate System

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## Abstract

The main objective of this article is to study the dynamic transition associated with the activator-substrate system. Two criteria are derived to determine the types of transition,as the R parameters crosses the first real or complex eigenvalues. These criteria gives a complete characterization of the dynamic transitions of the activator-substrate system. The analysis is carried out using dynamic transition theory developed recently by Ma and Wang

## Hosted file

`Activator-substrate System.pdf` available at https://authorea.com/users/310867/articles/441605-dynamic-transition-for-activator-substrate-system

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$\lambda > \lambda_2$          $\lambda < \lambda_2$