

The BOXES methodology: black box dynamic control

Russell, David W., author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20418183&lokasi=lokal>

Abstrak

Michie and Chambers' BOXES methodology created a black box system that was designed to control a mechanically unstable system with very little a priori system knowledge, linearization or approximation. All the method needed was some notion of maximum and minimum values for the state variables and a set of boundaries that divided each variable into an integer state number. The BOXES methodology applies the method to a variety of systems including continuous and chaotic dynamic systems, and discusses how it may be possible to create a generic control method that is self organizing and adaptive that learns with the assistance of near neighbouring states.