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SIMULATOR GENERATION OF JURY'S STABILITY TEST IN Z - DOMAIN

BISWARUP NEOGI, ANKUR ROY, SOUMYAJIT MUKHERJEE, SOUMYA GHOSAL, SINCHAN GHOSH, ANANYA CHATTERJEE, SOHAM DATTA, ACHINTYA DAS AND D. N. TIBREWLA

Abstract

Jury's technique is one of the best suited tools in z domain which is being applied widely to determine the stability of discrete system. The algorithmic approach of the Jury's test effectively determines the stability of a digital / biophysical system. In due course, this application software, developed in Visual basic domain, will be potential enough to ascertain the stability in z Domain. It is an appropriate device in the domain of Computer Aided Control System Design (CACSD)[1]. The efficacy of the software manifolds with its ability to analyze any system which can be estimated through Jury's technique.

Keywords: Jury Test, Mirror Image Polynomial (MIP), Anti Mirror Image Polynomial (AMIP), CACSD, Prosthetic arm transfer function**.**