

论文

THE RANKINGS OF CONTROL SYSTEMS AND APPLICATIONS

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摘要 The notion of ranking was initiated into control theory by Glad a few years ago. In this paper we mainly discuss one kind of rankings and study its invariance properties. This kind of rankings is closely related to the structure algorithm. The relations between invariants of this kind of rankings and the invariants given by other studies, e.g. the invertibility indices of a system and so on, are examined. As applications of rankings, we deal with some well-known problems in "ranking technique". In this paper we mainly introduce a new method rather than solve new problems.

关键词 [Nonlinear control system, differential ve](#)

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Key words [Nonlinear control system](#) [differential vector](#) [ranking](#) [decoupling control](#)

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