

Generating Algorithm of IAGO Generating Space

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ABSTRACT

Grey generating provides a theoretical foundation of data processing in grey modeling. Based on mathematical system theory, the generating algorithm of IAGO generating space is developed, the inverse linear relation between r -AGO transformation and r IAGO transformation is proved, other available results related to the relationship between r IAGO series and the moving operator are also obtained, which are of benefit to grey modeling.

Keywords: AGO; r IAGO; Negative power AGO; Moving operator