Abstract

In this paper, the author has proposed a new multi-stage interconnection network named as advance irregular alpha multi-stage interconnection network-2 (AIAMIN-2). The AIAMIN-2 is a single switch fault tolerant network. It is compared with modified alpha network (MALN) and irregular modified augmented baseline network (IMABN). Results show that AIAMIN-2 performs better than the MALN and IMABN in faulty and non-faulty conditions.
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Index Terms

Computer Science
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**Keywords**
Interconnection Network; Multi-Stage Interconnection Network; MALN; IMABN AIAMIN-2; Fault