Abstract

Network-on-chip (NoC) has been introduced as a new paradigm to solve System on chip (SOC) design challenges. The Network-on-Chip (NoC) architecture as a viable solution to the complex on-chip communication problems. Communication performance of NOC's is heavily depends on routing algorithm. The architecture of NOC is based on topology, routing algorithm and switching techniques. The routing algorithm is one of key ingredient in NOC architecture. A routing algorithm determines how the data is routed from sender to receiver The routing algorithm are Source, deterministic XY routing algorithm, adaptive Odd-Even (OE) routing algorithm with deadlock-free ability. This paper presents review of Odd-Even (OE) routing algorithm on 2D Mesh topology of NOC architecture for bursty traffic.
References

- Ge-Ming Chiu, Member, IEEE Computer Society &quot;The Odd-Even Turn Model for Adaptive Routing&quot; IEEE transactions on parallel and distributed systems, vol. 11, no. 7, july 2000
- Minghua Tang, Consumer Electronics, Communications and Networks (CECNet), 2012 2nd International Conference
- Pan Hao,Hong Qil,Du Jiaqin,Pan &quot;Comparison of 2D MESH Routing Algorithm in NOC&quot; IEEE 2011computer society.
- Parag Parandkar, Jayesh kumar Dalal and Sumant Katiyal , Performance Comparison of XY, OE and DY Ad Routing Algorithm by Load Variation Analysis of 2-Dimensional Mesh Topology Based Network-on-Chip, BVICAM&apos;s International Journal of Information Technology .

Index Terms
Keywords
Network-on-chip; Oe Routing Algorithm; 2d Mesh Topology  Bursty Traffic  Nirgam Simulator