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SAMPLE RECORD [\[top\]](#)

DIALOG(R)File 8:Ei Compendex(R)
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AN= 02121888 Monthly No: EIM8610-066399
/TI ANALYSIS OF RING, CUBE AND TREE MULTIMICROCOMPUTER SYSTEMS.
AU= Venkatasubramaniam, Kumar; Liu, Yu-cheng
CS= Reflectone Inc, Tampa, FL, USA
CT= Conference Title: Proceedings - IEEE 1986 Region 5 Conference.
CL=, CY=, CD= Conference Location: Lafayette, LA, USA Conference Date: 1986
 Apr 8-11
SP= Sponsor: IEEE, Region 5, LA, USA
CN= E.I. Conference No.: 08322
SO= Source: IEEE Region 5 Conference 1986. Publ by IEEE, New York, NY, USA. Available from IEEE Service Cent (Cat n 86CH2304-4), Piscataway, NJ, USA p 150-155
PY= Publication Year: 1986
CO= CODEN: IRCOER
LA= Language: English
DT= Document Type: PA; (Conference Paper)
JA= Journal Announcement: 8610
/AB The performance of three types of interconnection schemes for large multimicrocomputer systems, namely, ring, binary cube, and tree networks, is analyzed. These systems are modeled as networks of queues, and analytical results are obtained for two performance measures: mean queue length at any node and mean time spent in system by a random message. The analytical results are then verified through simulation. The results are useful in the design and performance evaluation of multimicrocomputer systems because the need for expensive simulations is reduced or

eliminated. 8 refs.

- /DE** Descriptors: *COMPUTERS, MICROCOMPUTER; COMPUTER SYSTEMS, DIGITAL--Multiprocessing; COMPUTER NETWORKS
- /ID** Identifiers: RING, CUBE AND TREE INTERCONNECTIONS; MULTIMICROCOMPUTER SYSTEMS; QUEUEING NETWORKS
- CC=** Classification Codes:
722 (Computer Hardware); 723 (Computer Software)
72 (COMPUTERS & DATA PROCESSING)

BASIC INDEX [\[top\]](#)

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
None	None	All Basic Index Fields	Word	S DIGITAL(L) MULTIPROCESS?
/AB	AB	Abstract	Word	S BINARY(W)CUBE/AB
/DE	DE	Descriptor ¹	Word & Phrase	S DIGITAL(L) MULTIPROCESS?/DE S COMPUTER SYSTEMS/DE
/ID	ID	Identifier ²	Word & Phrase	S TREE(W) INTERCONNECT?/ID S QUEUEING NETWORKS/ID
/TI	TI	Title ³	Word	S RING(W)CUBE(1W)TREE/TI

¹ Also /DF.

² Also /IF.

³ Does not include Conference Title, which is searchable with CT=.

ADDITIONAL INDEXES [\[top\]](#)

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
None	AN	DIALOG Accession Number		
AN=	AN	Ei Accession Number ⁴	Phrase	S AN=EIP91110339809
AN=	AN	Ei Monthly Abstract Number ⁴	Phrase	S AN=EIM8610-066399
AU=	AU	Author	Phrase	S AU=LIU, YU-CHENG
None	AZ	DIALOG Accession Number		
		International Standard		S BN=0-8155-0963-4