

Tightly Connected Hierarchical Interconnection Networks

Filesize: 7.3 MB

Reviews

A really great pdf with lucid and perfect information. It is rally fascinating throgh reading through time. I am effortlessly can get a pleasure of reading a published book. (Reyes Lind)

TIGHTLY CONNECTED HIERARCHICAL INTERCONNECTION NETWORKS



Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Topology, Algorithms and Recursivity in an Asymptotically Optimal Class of Parallel Architectures | In this work we introduce a new method for constructing hierarchical interconnection networks. This approach uses a fully connected higher-level network to connect isomorphic cluster networks, motivated by the base observation that theoretically the clique graph (crossbar) is the best interconnect. The resulting concept is the Tightly Connected Hierarchical Interconnection network, or TCN. We discuss singly as well as multiply linked TCNs and show that single-level TCNs possess superior topological parameters and efficiently implement normal hypercube algorithms, including PRAM simulation. Especially efficient interconnection networks can be built by applying the TCN concept recursively. We prove that recursive TCN architectures exhibit sub-logarithmic topological parameters, reaching asymptotic optimum. The extension of the TCN method to the dynamic domain results in the Tightly Connected Multi-Stage Interconnection Network or TCMIN architecture. The TCMIN interconnect significantly improves the parameters of both the same-size non-hierarchical and hierarchical MINs, while it also has much better congestion and fault-tolerance characteristics than its traditional counterparts. | Format: Paperback | Language/Sprache: english | 172 pp.

Read Tightly Connected Hierarchical Interconnection Networks Online
Download PDF Tightly Connected Hierarchical Interconnection Networks

Related PDFs

\rightarrow

Violet Rose and the Surprise Party

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a... Read eBook

~

Would It Kill You to Stop Doing That?

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years... Read eBook

\rightarrow

Dont Be Bully!

»

»

Full Circle, New Delhi, India. Softcover. Book Condition: New. Brave little Kamya protects Tia from the school bully Josh and proves to be a true friend. Don't be a bully, is a story to#inspire young... Read eBook

\rightarrow

Billy's Booger: A Memoir (sorta)

Atheneum. 1 Cloth(s), 2015. hard. Book Condition: New. From what might not sound like the most promising title (at least to grownups), William Joyce introduces readers 6 to 8 to his younger self Billy Joyce,... Read eBook

\rightarrow	

TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the... Read eBook

»

PDF	The Golden Spinning Wheel, Op. 109 / B. 197: Study Score Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 579 x 401 mm. Language: English . Brand New Book ***** Print on Demand *****.The composer worked on this symphonic poem from January to April Save Document *
PDF	Access2003 Chinese version of the basic tutorial (secondary vocational schools teaching computer series) paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 192 Publisher: People's Post Pub. Date :2011-10-01 version 1. Access 2003 Tutorial Save Document »
PDF	Violin Concerto, Op.53 / B.108: Study Score Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 244 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.Commissioned by the eminent violinist Joseph Joachim after a Berlin meeting Save Document *
PDF	Czech Suite, Op.39 / B.93: Study Score Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 244 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.Composed rapidly during April of 1879 in the wake of his Save Document *
PDF	xk] 8 - scientific genius kids favorite game brand new genuine(Chinese Edition) paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2010-01-01 Pages: 270 Publisher: Dolphin Publishing Our Books all book of Save Document »