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2.1 Motivation and Overview ; 2.2 P2P Systems as Components for Scalable Grids : 2.3 A Scalable Data Grid with P2P Components ; 2.4 Availability Component ; 2.4.1 Basic **Equations and Model Parameters** ; 2.4.2 Analytical Model 2.4.3 Applying the Model 2.5 Synchronization Component ; 2.6 Self-Management Components ; 2.7 Putting it All Together ; 2.8 Related Work ; 2.9 Conclusion ; 2.10 Bibliography ; 3 The Immediate Dependency Relation: An Optimal Way to Ensure Causal Group Communication : 3.1 Introduction 3.1.1 Background

## Sommario/riassunto

This volume presents original articles, reviewing various aspects of scalable computing. Parallel computation with optically interconnected systems makes its first appearance, and further work on distributed Java is also reported. Optimizing data grids and group communication are studied in two analytical chapters. The comprehensive treatment of these topics adds further to the current literature. <br/>
cli>Contents:

Applications
fi>Scalable
and Self-Optimizing Data
Grids

Grids
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