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Nota di contenuto	Weibo: An Information-Driven Online Social Network -- Collaborative Memories in Clusters: Opportunities and Challenges -- Multilayer Perceptrons Which Are Tolerant to Multiple Faults and Learnings to Realize Them -- Framework for Ensuring Runtime Stability of Control Loops in Multi-agent Networked Environments -- 3D Reconstruction from Planar Contours: Analysis of Heuristic Tiling Approaches -- 3-Subdivision Wavelets for Sharp Features Preservation -- BetaMDGP: Protein Structure Determination Algorithm Based on the Beta-complex -- Fast Calculation of the Empty Volume in Molecular Systems by the Use of Voronoi-Delaunay Subsimplexes.

Sommario/riassunto

This, the 22nd issue of the Transactions on Computational Science journal, consists of two parts. The first part is devoted to neural and social networks and the second to geometric modeling and simulation. The four papers in Part I span the areas of information-driven online social networks, neural networks, collaborative memories, and stability controls in multi-agent networked environments. The four papers in Part II cover the topics of shape reconstruction from planar contours, sharp feature preservation through wavelets, protein structure determination based on the beta-complex, and fast empty volume computation in molecular systems.