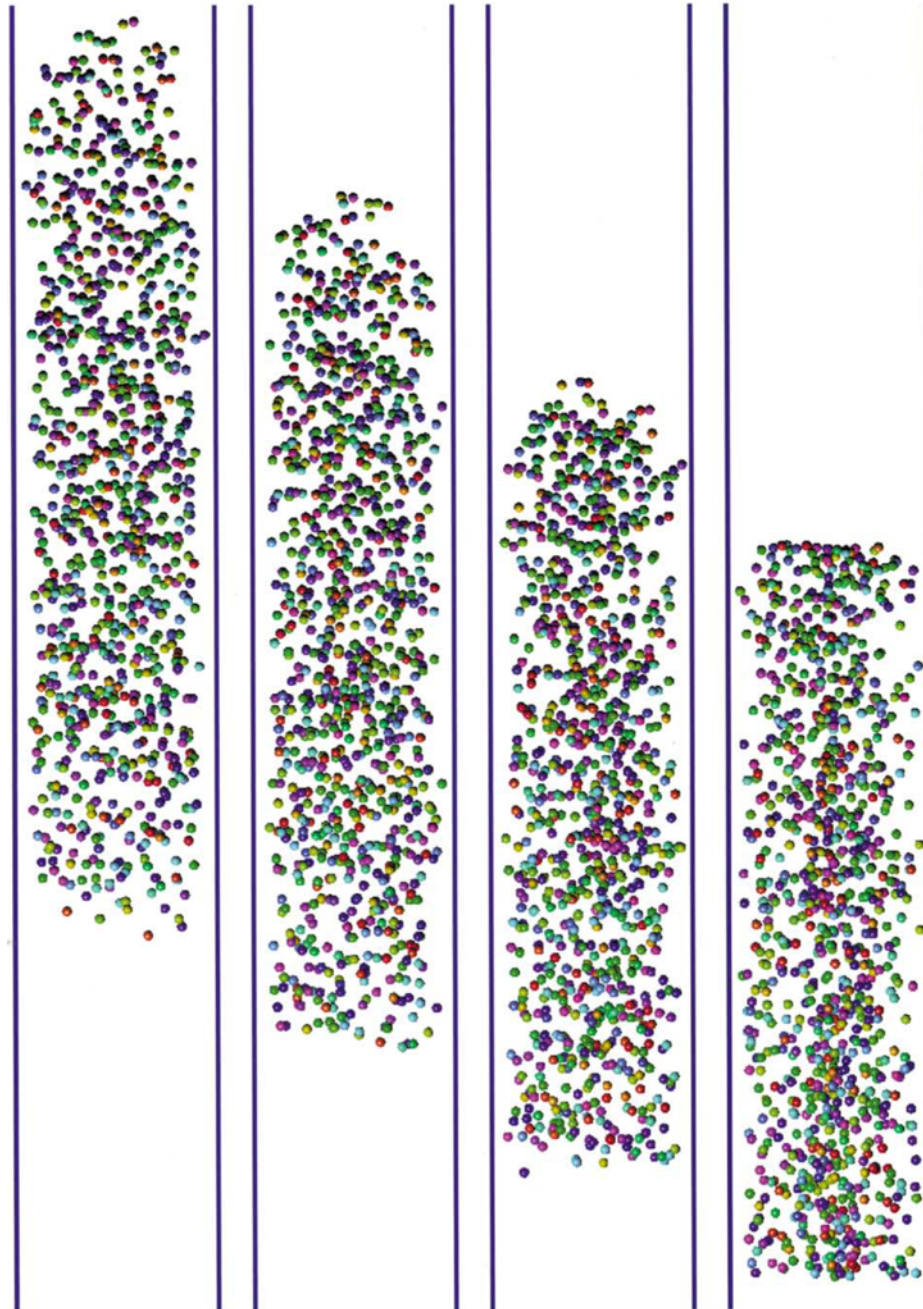


5. 3D Simulation of 1000 Spheres Falling in a Liquid-filled Tube

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Distribution of the spheres at four instants (including the initial instant). For a single sphere, $Re=10$. The colors are for identifying the individual spheres. The simulation was performed, in a multi-platform simulation environment, using a 512-node CM-5 and a 2-processor SGI ONYX2. The flow solution and the mesh generation and update methods were developed by the Team for Advanced Flow Simulation and Modeling at the Army HPC Research Center.