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Altri autori (Persone)	ShoucriMagdi Mounir <1961->
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Nota di contenuto	<p>""EULERIAN CODES FOR THE NUMERICAL SOLUTION OF THE KINETIC EQUATIONS OF PLASMAS""; ""CONTENTS""; ""EDITOR'S FOREWORD""; ""DEDICATION""; ""SPLITTING METHODS FOR VLASOV-MAXWELL EQUATIONS IN PLASMA SIMULATIONS""; ""Abstract""; ""Introduction""; ""Splitting Scheme""; ""Langmuir Soliton""; ""A. Electron Heating by Langmuir Soliton""; ""B. Propagation of Langmuir Soliton""; ""Electron Cyclotron Wave""; ""Conclusion""; ""References""; ""A VLASOV APPROACH TO COLLISIONLESS SPACE AND LABORATORY PLASMAS""; ""Abstract""; ""1. Introduction""</p> <p>""2. The Vlasov-Maxwell Equations as a Hamiltonian Flow on Phase Space""; ""3. Commonly Used Numerical Schemes""; ""3.1. Particle Methods""; ""3.3. A Comparison between Numerical Techniques""; ""4. The Vlasov Equation""; ""4.1. A Multi-advection Equation""; ""4.2. The Particles Motion, Electrostatic Limit""; ""4.3. Splitting Scheme""; ""4.4. Discrete Representation of the Distribution Function on Functional Spaces""; ""4.5. Discontinuous Galerkin Schemes""; ""4.6. Van Leer Interpolation""; ""4.7. Splines Interpolation""; ""4.8. Fourier Decomposition""; ""4.9. Semi-Lagrangian Methods""</p> <p>""5. An Application: The Weibel Instability""; ""Acknowledgements""; ""References""; ""EULERIAN CONSERVATIVE ADVECTION SCHEMES FOR VLASOV SOLVERS""; ""Abstract""; ""1. Introduction""; ""2. 1D Electrostatic Problems""; ""2.1. The Codes Tested""; ""2.2. 1D Electrostatic Test Problems""; ""2.3. Summary of 1D Electrostatic Tests""; ""3.</p>

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"3.2. 2D Relativistic EM Vlasov Solvers"; "4. Solving Amp`ere instead
of Poisson"; "5. Electrostatic Problems with Dissipation, Krook
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"4.3. Inclusion of Seed Bandwidth""5. Conclusion";
"Acknowledgments"; "References"; "GYROKINETIC VLASOV
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to Drift Kinetic System"; "2.4. Verification of Nondissipative Scheme
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