

References

- [Batt1977] Jürgen Batt. Global symmetric solutions of the initial value problem of stellar dynamics. *J. Differ. Equ.*, 25(3):342–364, sep 1977.
- [Dafe2013] M. Dafermos and I. Rodnianski. Lectures on black holes and linear waves. *Evolution Equations, Clay Mathematics Proceedings (Amer. Math. Soc.)*, 17:97–205, 2013.
- [Evan2002] L. C. Evans. *Partial Differential Equations*. AMS, 2002.
- [Glassey1986] Robert T. Glassey and Walter A. Strauss. Singularity formation in a collisionless plasma could occur only at high velocities. *Arch. Ration. Mech. Anal.*, 92(1), 1986.
- [Glassey1987a] Robert T. Glassey and Walter A. Strauss. Absence of Shocks in an Initially Dilute Collisionless Plasma. *Commun. Math. Phys.*, 113(2):191–208, 1987.
- [Glassey1990] Robert T. Glassey and Jack W. Schaeffer. On the ‘one and one-half dimensional’ relativistic Vlasov-Maxwell system. *Math. Methods Appl. Sci.*, 13(2):169–179, aug 1990.
- [Glassey1996] Robert T. Glassey. *The Cauchy Problem in Kinetic Theory*. Society for Industrial and Applied Mathematics, 1996.
- [Glassey1997] Robert T. Glassey and Jack W. Schaeffer. The ‘Two and One Half Dimensional’ Relativistic Vlasov Maxwell System. *Commun. Math. Phys.*, 185(2):257–284, 1997.
- [Horst1981] E Horst. On the classical solutions of the initial value problem for the unmodified non-linear Vlasov equation I general theory. *Math. Methods Appl. Sci.*, 3(1):229–248, 1981.
- [Lions1991] Pierre-Louis Lions and Benoît Perthame. Propagation of moments and regularity for the 3-dimensional Vlasov-Poisson system. *Invent. Math.*, 105(1):415–430, dec 1991.
- [Pfaffelmoser1992] K Pfaffelmoser. Global classical solutions of the Vlasov-Poisson system in three dimensions for general initial data. *J. Differ. Equ.*, 95(2):281–303, feb 1992.
- [Rein2007] Gerhard Rein. Collisionless Kinetic Equations from Astrophysics–The Vlasov-Poisson System. *Handb. Differ. Equations Evol. Equations*, 3:383–476, 2007.
- [Schaeffer1991] Jack W. Schaeffer. Global existence of smooth solutions to the vlasov poisson system in three dimensions. *Commun. Partial Differ. Equations*, 16(8-9):1313–1335, jan 1991.
- [Selb2001] S. Selberg. Lecture notes. Math 632, PDE.
<http://www.math.ntnu.no/~sselberg/HopkinsLectures.pdf>.
- [Tao2006] Terence Tao. Perelman’s proof of the Poincaré conjecture: a nonlinear PDE perspective. page 42, oct 2006.

Abstract: We discuss some of the key ideas of Perelman's proof of Poincaré's conjecture via the Hamilton program of using the Ricci flow, from the perspective of the modern theory of nonlinear partial differential equations.

[Ukai1978] Seiji Ukai and Takayoshi Okabe. On classical solutions in the large in time of two-dimensional Vlasov's equation. *Osaka J. Math.*, 15:245–261, 1978.