

Mohamed Sami ElBialy

Publications

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In preparation

- (18) (R) *Local integral manifolds for a class of ill posed nonautonomous nonlinear evolution equations.*
- (17) (R) *Twisted mild solutions for a class of ill posed nonlinear evolution equations.*
- (16) (R) *Singular quasilinear systems and invariant manifolds with mixed stability.*

Submitted

- (15) (R) *Smooth conjugacy near resonant hyperbolic fixed points.*
- (14) (R) *Collective analytic continuation of simultaneous binary collisions in the 3-D N-body problem.*

Accepted

- (13) (R) *The Kustaanheimo-Stiefel transformation and a square root map for \mathbb{R}^3 and \mathbb{R}^4 ,* Journal of Mathematical Analysis and Applications.

Appeared

- (12) (R) *C^k Invariant Manifolds for Maps of Banach Spaces,* Journal of Mathematical Analysis and Applications, 268, 1-24, 2002.
- (11) (R) *Local Contractions of Banach Spaces,* J. of Functional Analysis, 182, 108-150 (2001).
- (10) (R) *Sub-Stable and Weak-Stable Manifolds Associated with Finitely Nonresonant Spectral Subspaces,* Mathematische Zeitschrift, 236, 717-777, 2001.
- (9) (R) *On Sequences of $C_b^{k,\delta}$ Maps which Converges in the Uniform C^0 -Norm,* Proc. Amer. Math. Soc, 128, 11, 3285-3290, 2000.
- (8) (R) *On pseudo-stable and pseudo-unstable manifolds for maps,* Journal of Mathematical Analysis and Applications, 232,229-258, 1999.
- (7) (R) *The flow of the N-body problem near a simultaneous binary collision singularity and integrals of motion on the collision manifold,* Archive of Rational Mechanics and Analysis, 134, 303-340, 1996.
- (6) (R) *Collision-Ejection manifold and collective analytic continuation of simultaneous binary collisions in the Planar N-body problem,* Journal of Mathematical Analysis and Applications 203, 55-77, 1996.
- (5) (R) *Linearization of vector fields near resonant hyperbolic rest points,* the Journal of Differential Equations, vol. 118, No. 2,336-370, 1995.
- (4) (R) *On simultaneous binary collisions in the planar N-body problem,* Journal of Applied Mathematics and Physics (ZAMP) 44, 880-890 (1993).

- (3) (R) *Simultaneous binary collisions in the collinear N -body problem*, the Journal of Differential Equations 102, 209-235, 1993.
- (2) (R) *Collision singularities in celestial mechanics*, SIAM Journal of Math. Anal., vol. 21, No. 6, pp. 1563-1593, November 1990.
- (1) (R) *Triple collisions in the isosceles three-body problem with small mass ratio*, Journal of Applied Mathematics and Physics (ZAMP), Vol. 40, 1989, 645-664.