

References

- [1] Paul H. M. Kersten. Supersymmetries and recursion operators for the $n = 2$ supersymmetric kdv-equation. In *Lie Groups, Geometric Structures and Differential Equations-One Hundred Years after Sophus Lie- (Kyoto-Nara , 1999)*, pages 153–160. RIMS Kokyuroku 1150, Kyoto University, Kyoto, Japan, 2000.
- [2] I. S. Krasil'shchik and P. H. M. Kersten. *Symmetries and Recursion Operators for Classical and Supersymmetric Differential Equations*. Kluwer Academic Publishers, Dordrecht. Series: Mathematics and Its Applications, Volume 507, pp xvi+384, 2000.
- [3] P. H. M. Kersten and R. Martini. Super Darboux-Egoroff equations and solutions. In *Nonlinear analysis in geometry and topology*, pages 125–147. Hadronic Press, Palm Harbor, FL, 2000.
- [4] R. Martini and P. H. M. Kersten. WDVV equations and their solutions for a $(3, 2)$ and $(3, 4)$ supermanifold; the isotropic and nonisotropic case. In *The International Conference on Secondary Calculus and Cohomological Physics (Moscow, 1997)*, page 13 pp. (electronic). Diffiety Inst. Russ. Acad. Nat. Sci., Pereslavl' Zalesskiy, 1997.
- [5] P. K. H. Gragert and P. H. M. Kersten. Differential geometric computations and computer algebra. *Math. Comput. Modelling*, 25(8-9):11–24, 1997. Algorithms and software for symbolic analysis of nonlinear systems.
- [6] T. van Bemmelen, P. K. H. Gragert, and P. H. M. Kersten. Symmetries and conservation laws of the system: $u_x = vw_x$, $v_y = uw_y$, $uv + w_{xx} + w_{yy} = 0$. *Acta Appl. Math.*, 47(1):79–99, 1997.
- [7] P. H. M. Kersten and I. S. Krasil'shchik, editors. *Geometric and algebraic structures in differential equations*. Kluwer Academic Publishers, Dordrecht, 1995. Papers from the Workshop on Algebra and Geometry of Differential Equations held in Enschede, 1993, Reprint of Acta Appl. Math. **41** (1995), no. 1-3.
- [8] I. S. Krasil'shchik and P. H. M. Kersten. Graded differential equations and their deformations: a computational theory for recursion operators. *Acta Appl. Math.*, 41(1-3):167–191, 1995. Geometric and algebraic structures in differential equations.
- [9] P. H. M. Kersten and I. S. Krasil'shchik, editors. *Geometric and algebraic structures in differential equations*. Kluwer Academic Publishers Group, Dordrecht, 1995. Acta Appl. Math. **41** (1995), no. 1-3.
- [10] I. S. Krasil'shchik and P. H. M. Kersten. Deformations and recursion operators for evolution equations. In *Geometry in partial differential equations*, pages 114–154. World Sci. Publishing, River Edge, NJ, 1994.

- [11] P. H. M. Kersten and I. S. Krasil'shchik. Graded Frölicher-Nijenhuis brackets and the theory of recursion operators for super differential equations. In *The interplay between differential geometry and differential equations*, pages 91–129. Amer. Math. Soc., Providence, RI, 1995.
- [12] Paul H. M. Kersten. The Lie-Bäcklund algebra for the general underdetermined equation $u_r = f(x, u, \dots, u_{r-1}, v, \dots, v_k)$. *Nonlinearity*, 5(3):763–770, 1992.
- [13] Paul H. M. Kersten and Marcel Roelofs. Supersymmetric extensions of the nonlinear Schrödinger equation. In *Nonlinear evolution equations and dynamical systems (Baia Verde, 1991)*, pages 125–134. World Sci. Publishing, River Edge, NJ, 1992.
- [14] Paul H. M. Kersten. The general symmetry algebra structure of the underdetermined equation $u_x = (v_{xx})^2$. *J. Math. Phys.*, 32(8):2043–2050, 1991.
- [15] G. H. M. Roelofs and P. H. M. Kersten. Supersymmetric extensions of the nonlinear Schrödinger equation: symmetries and coverings. *J. Math. Phys.*, 33(6):2185–2206, 1992.
- [16] Theo van Bemmelen and Paul Kersten. Nonlocal symmetries and recursion operator of the Landau-Lifshitz equation. *J. Math. Phys.*, 32(7):1709–1716, 1991.
- [17] P. K. H. Gragert and P. H. M. Kersten. Graded differential geometry in REDUCE: supersymmetry structures of the modified KdV equation. *Acta Appl. Math.*, 24(3):211–231, 1991.
- [18] W. M. Sluis and P. H. M. Kersten. Nonlocal higher-order symmetries for the Federbush model. *J. Phys. A*, 23(11):2195–2204, 1990.
- [19] Edward D. Fackerell and Paul H. M. Kersten. Vacuum Einstein fields with a single nonnull Killing vector. In *Proceedings of the Fifth Marcel Grossmann Meeting on General Relativity, Part A, B (Perth, 1988)*, pages 515–519, Teaneck, NJ, 1989. World Sci. Publishing.
- [20] Paul H. M. Kersten. Hierarchies of symmetries and conserved functionals of the Federbush model. In *XV International Colloquium on Group Theoretical Methods in Physics (Philadelphia, PA, 1986)*, pages 457–474. World Sci. Publishing, Teaneck, NJ, 1987.
- [21] Paul H. M. Kersten. Software to compute infinitesimal symmetries of exterior differential systems, with applications. *Acta Appl. Math.*, 16(2):207–229, 1989. Symmetries of partial differential equations, Part III.
- [22] Paul H. M. Kersten. Higher order supersymmetries and fermionic conservation laws of the supersymmetric extension of the KdV equation. *Phys. Lett. A*, 134(1):25–30, 1988.

- [23] P. H. M. Kersten and P. K. H. Gragert. Symmetries for the super-KdV equation. *J. Phys. A*, 21(11):L579–L584, 1988.
- [24] P. H. M. Kersten. Symmetries for the super modified KdV equation. *J. Math. Phys.*, 29(10):2187–2189, 1988.
- [25] Paul H. M. Kersten. Nonlocal symmetries and the linearization of the massless Thirring and the Federbush models. *J. Math. Phys.*, 29(4):1050–1053, 1988.
- [26] P. H. M. Kersten. *Infinitesimal symmetries: a computational approach*. Stichting Mathematisch Centrum Centrum voor Wiskunde en Informatica, Amsterdam, 1987.
- [27] P. H. M. Kersten and H. M. M. ten Eikelder. Infinite hierarchies of t -independent and t -dependent conserved functionals of the Federbush model. *J. Math. Phys.*, 27(8):2140–2145, 1986.
- [28] P. H. M. Kersten and H. M. M. ten Eikelder. An infinite number of infinite hierarchies of conserved quantities of the Federbush model. *J. Math. Phys.*, 27(11):2791–2796, 1986.
- [29] Paul H. M. Kersten and Ruud Martini. Nonlocal Lie-Bäcklund transformations of the massive Thirring model. *J. Math. Phys.*, 26(7):1775–1778, 1985.
- [30] Paul H. M. Kersten. Creating and annihilating Lie-Bäcklund transformations of the Federbush model. *J. Math. Phys.*, 27(4):1139–1144, 1986.
- [31] Paul H. M. Kersten and Ruud Martini. Lie-Bäcklund transformations for the massive Thirring model. *J. Math. Phys.*, 26(4):822–825, 1985.
- [32] Paul Kersten and Ruud Martini. The harmonic map and Killing fields for self-dual $\text{su}(3)$ Yang-Mills equations. *J. Phys. A*, 17(5):L227–L230, 1984.
- [33] P. K. H. Gragert, P. H. M. Kersten, and R. Martini. Symbolic computations in applied differential geometry. *Acta Appl. Math.*, 1(1):43–77, 1983.
- [34] Paul H. M. Kersten and Peter K. H. Gragert. The Lie algebra of infinitesimal symmetries of nonlinear diffusion equations. *J. Phys. A*, 16(18):L685–L688, 1983.
- [35] R. Martini and P. H. M. Kersten. Contact symmetries of general linear second-order ordinary differential equations. *J. Phys. A*, 16(13):L455–L460, 1983.
- [36] Paul H. M. Kersten. Infinitesimal symmetries and conserved currents for nonlinear Dirac equations. *J. Math. Phys.*, 24(9):2374–2376, 1983.

- [37] P. K. H. Gragert and P. H. M. Kersten. Implementation of differential geometric objects and functions with an application to extended Maxwell equations. In *Computer algebra (Marseille, 1982)*, pages 181–187. Springer, Berlin, 1982.
- [38] Paul H. M. Kersten and Peter K. H. Gragert. Graded differential geometry in REDUCE 3 and symmetries of super KdV equation. In *XVIIth International Colloquium on Group Theoretical Methods in Physics (Sainte-Adèle, PQ, 1988)*, pages 496–499. World Sci. Publishing, Teaneck, NJ, 1989.
- [39] P. H. M. Kersten. Infinitesimal symmetries of partial differential equations with an application to the construction of the instanton and monopole solution of the self-dual Yang-Mills equations. In *Proceedings Seminar 1984–1986. Mathematical Structures in Field Theories, Vol. 1 (Amsterdam, 1984–1986)*, pages 103–137, Amsterdam, 1988. Math. Centrum Centrum Wisk. Inform.