

Books and contributions to books (authored or edited)

1. D. Levi, P.J. Olver, Z. Thomova, and P. Winternitz, editors. *Symmetries and Integrability of Difference Equations*, volume 42, No. 45. J.Phys.A. Math. Theor., 2009 (392 pages).
2. J. Harnad and P. Winternitz, editors. *Groups and Symmetries. From Neolithic Scots to John McCay*, volume 47 of *CRM Proceedings and Lecture Notes*. AMS, Providence, R.I., 2009 (366 pages).
3. P. Winternitz, D. Gomez-Ullate, A. Iserles, D. Levi, P.J. Olver, R. Quispel, and P. Tempesta, editors. *Group Theory and Numerical Analysis*, volume 39 of *CRM Proceedings and Lecture Notes*. AMS, Providence, R.I., 2005. 320 pages.
4. P. Tempesta, P. Winternitz, J. Harnad, W. Jr. Miller, G. Pogosyan, and M. Rodriguez, editors. *Superintegrability in Classical and Quantum Systems*, volume 37 of *CRM Proceedings and Lecture Notes*. AMS, Providence, R.I., 2004. 347 pages.
5. P. Winternitz. Superintegrable systems in classical and quantum mechanics. In A. B. Shabat, A. Gonzalez-Lopez, M. Manas, L. Martinez Alonso, and M.A. Rodriguez, editors, *New Trends in Integrability and Partial Solvability*, pages 281–297, Dordrecht, 2004. Kluwer.
6. P. Winternitz, J. Harnad, C.S. Lam, and J. Patera, editors. *Symmetry in Physics. In Memory of Robert T. Sharp*, volume 34 of *CRM Proceedings and Lecture Notes*. AMS, Providence, Rhode Island, 2004. 227 pages.
7. P. Winternitz. Symmetries of discrete systems. In B. Grammaticos, Y. Kosmann-Schwarzbach, and T. Tamizhmani, editors, *Discrete Integrable Systems*, volume 644 of *Lecture Notes in Physics*, pages 185–243. Springer Verlag, 2004. See also ArXiv nlin.SI/0309058.
8. P. Winternitz. Lie groups, singularities and solutions of nonlinear partial differential equations. In A. Greco, editor, *Direct and Inverse Methods in Nonlinear Evolution Equations*, volume 632 of *Lecture Notes in Physics*, pages 223–273. Springer Verlag, 2003.
9. P. Winternitz. Subalgebras of Lie algebras and their applications in physics. In Y.A. Danilov, V.G. Kadyshesky, and A.N. Sissakian, editors, *Y.A.Smorodinsky*, volume 2 of *Classics of Science*, pages 473–485. Editorial URSS, Moscow, Russia, 2001.
10. A. Coley, D. Levi, R. Milson, C. Rogers, and P. Winternitz, editors. *Backlund and Darboux Transformations. The Geometry of Solitons*, volume 29 of *CRM Proceedings and Lecture Notes*. AMS, Providence, Rhode Island, 2001. 436 pages.

11. J. Harnad, G. Sabidussi, and P. Winternitz, editors. *Integrable Systems: From Classical to Quantum*, volume 26 of *CRM Proceedings and Lecture Notes*. AMS, Providence, Rhode Island, 2000. 264 pages.
12. P.A. Clarkson and P. Winternitz. Symmetry reduction and exact solutions of nonlinear partial differential equations. In R. Conte, editor, *The Painleve Property, One Century Later*, CRM Series in Mathematical Physics, pages 597–668. Springer, New York, 1999.
13. L. Michel and P. Winternitz. Families of transitive primitive maximal simple Lie subalgebras of $\text{diff}(n)$. In L. Vinet, editor, *Advances in Mathematical Sciences - CRM's 25 years*, volume 11 of *CRM Proceedings and Lecture Notes*, pages 451–479. AMS, Providence, Rhode Island, 1997.
14. D. Levi, L. Vinet, and P. Winternitz, editors. *Symmetries and Integrability of Difference Equations*, volume 9 of *CRM Proceedings and Lecture Notes*. AMS, Providence, Rhode Island, 1996. 400 pages.
15. D. Levi and P. Winternitz. Self-similarity in stimulated Raman scattering. In Menyuk et al., editor, *On Self-Similarity in Stimulated Raman Scattering*, pages 29–54. Publications CRM, Montreal, 1994.
16. D. Levi, C. R. Menyuk, and P. Winternitz, editors. *On Self-Similarity in Stimulated Raman Scattering*. Publications CRM, Montréal, 1994. 183 pages.
17. P. Winternitz. Lie groups and solutions of nonlinear partial differential equations. In A. Ibort and M. A. Rodriguez, editors, *Integrable Systems Quantum Groups and Quantum Field Theories*, pages 429–495. Kluwer, Dordrecht, 1993.
18. D. Levi and P. Winternitz, editors. *Painlevé Transcendents, their Asymptotics and Physical Applications*. Plenum, New York, 1992. 472 pages.
19. P. Winternitz. Group theory and exact solutions of partially integrable differential systems. In R. Conte and N. Boccara, editors, *Partially Integrable Evolution Equations in Physics*, pages 515–567. Kluwer, Dordrecht, 1990.
20. D. Levi and P. Winternitz, editors. *Symmetries and Nonlinear Phenomena*. World Scientific, Singapore, 1988. 469 pages.
21. P. Winternitz, editor. *Systèmes dynamiques non linéaires: intégrabilité et comportement qualitatif*, volume 102 of *Séminaire de mathématiques supérieures*. Presses de l'Université de Montréal, Montréal, Montréal, 1986. 339 pages.
22. P. Winternitz. Lie groups and solutions of nonlinear differential equations. In K. B. Wolf, editor, *Nonlinear Phenomena*, volume 189 of *Lecture Notes in Physics*, pages 163–237. Springer, Berlin, 1983.

23. E. Kalnins, J. Patera, R. T. Sharp, and P. Winternitz. Elementary particle reactions and the Lorentz and Galilei groups. In E. Loeb, editor, *Group Theory and its Applications*, pages 163–237. Academic Press, 1975.
24. P. Winternitz. *Expansions of Relativistic Scattering Amplitudes and Harmonic Analysis on the Lorentz Groups*. Univ. of Arizona, 1972. 288 pages.
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