

## List of Publications

### Research monograph

1. C. Sulem, P.L. Sulem, *The Nonlinear Schrödinger equation: Self-Focusing and Wave Collapse*, Series in Mathematical Sciences, Volume 139, Springer-Verlag, xvi+350 pages, 1999.

### Publications in refereed journals

1. C. Sulem, Quelques résultats de régularité pour les équations de la MHD, *C.R. Ac. Sc., Paris* **285** (1977), A365–368.
2. C. Sulem, *Régularité globale d'un fluide parfait occupant une bande de  $R^2$  pour des données initiales non nulles à l'infini*, *C.R. Ac. Sc., Paris* **287** (1978), A623–628.
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5. C. Sulem, P.L. Sulem, *Quelques résultats de régularité pour la turbulence de Langmuir*, *C.R. Ac. Sc., Paris* **289** (1979), A173–176.
6. C. Sulem, P.L. Sulem, *Un résultat d'existence en magnétodynamique unidimensionnelle*, *C.R. Ac. Sc., Paris* **290** (1980), B207–210.
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12. P.L. Sulem, C. Sulem, A. Patera, *Numerical simulation of singular solutions to the two dimensional cubic Schrödinger equation*, *Comm. Pure Appl. Math.* **37** (1984), 755–778.
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14. M. Meneguzzi, C. Sulem, P.L. Sulem, O. Thual, *Time dependent Rayleigh-Benard convection in low Prandtl number fluids. Macroscopic modeling of turbulent flows*, ed. U. Frisch, G. Papanicolaou, O. Pironneau, Lectures Notes in Physics, Springer-Verlag, 1985, **230** 148–160
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22. B. LeMesurier, G. Papanicolaou, C. Sulem, P.L. Sulem, *The focusing singularity of the nonlinear Schrödinger equation*, in ‘Directions in Partial Differential Equations’, ed. M. Crandall, P. Rabinovitz and R. Turner, (1987), 159–201, Academic Press.
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### **Editorship**

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