

## List of Publications to Hele-Shaw flows

### Reviewed Publications in Mathematical Journals

1. v. Wolfersdorf/Reissig, A simplified proof for a moving boundary problem for Hele-Shaw flows in the plane, *Arkiv för Matematik* 31 (1993) 1, 101-116.
2. About a nonstationary mixed problem for holomorphic functions arising by the study of a potential flow past a circular cylinder with permeable surface, *Math. Nachr.* 164 (1993), 283-297.
3. The existence and uniqueness of analytic solutions for a moving boundary problem for Hele-Shaw flows in the plane, *Journal of Nonlinear Analysis* 23 (1994) 5, 565-576.
4. Hohlov/Reissig, On classical solvability for Hele-Shaw moving boundary problems with kinetic undercooling regularization, *European Journal of Applied Mathematics* 6 (1995) 421-439.
5. Yagdjian/Reissig,  $L_p - L_q$  estimates for the solutions of strictly hyperbolic equations of second order with increasing in time coefficients, *Math. Nachr.* 214 (2000), 71-104.
6. Rogosin/Reissig, Analytical and numerical treatment of a complex model for Hele-Shaw moving boundary value problems with kinetic undercooling regularization, *European Journal of Applied Mathematics* 10 (1999), 561-579.
7. Pleshchinskii/Reissig, Hele-Shaw flows with nonlinear kinetic undercooling regularization, *Nonlinear Analysis* 50 (2002), 191-203.

### Reviewed publications in books of collected papers

1. New applications of the nonlinear abstract Cauchy-Kovalevsky theorem to fluid dynamics, in: Mshimba/Tutschke. *Functionalanalytic methods in complex analysis and applications to partial differential equations*, 262-274. World Scientific, Singapore, 1995.
2. Hübner/Reissig, Analytical and numerical treatment of Hele-Shaw models with and without regularization, Eds. H.Florian et al., *Generalized Analytic Functions*, 271-287, Kluwer (1998).