

1. Books, survey and expository papers (peer reviewed)

1. J. Prüss, R. Schnaubelt and Rico Zacher, *Mathematische Modelle in der Biologie. Deterministische homogene Systeme*. Birkhäuser, 2008.
2. R. Schnaubelt, *Semigroups for nonautonomous Cauchy problems*. In: K. Engel and R. Nagel, “One-Parameter Semigroups for Linear Evolution Equations,” Springer-Verlag, 2000, pp. 477–496.
3. R. Schnaubelt, *Well-posedness and asymptotic behaviour of non-autonomous linear evolution equations*. In: A. Lorenzi and B. Ruf (Eds.), “Evolution Equations, Semigroups and Functional Analysis,” Birkhäuser, 2002, pp. 311–338.
4. R. Schnaubelt, *Asymptotic behaviour of parabolic nonautonomous evolution equations*. In: M. Iannelli, R. Nagel and S. Piazzera (Eds.), “Functional Analytic Methods for Evolution Equations,” Springer-Verlag, 2004, pp. 401–472.

2. Research papers (peer reviewed)

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6. F. Rübiger, A. Rhandi and R. Schnaubelt, *Perturbation and an abstract characterization of evolution semigroups*. J. Math. Anal. Appl. **198** (1996), 516–533.
7. G. Nickel and R. Schnaubelt, *An extension of Kato’s stability condition for nonautonomous Cauchy problems*. Taiwanese J. Math. **2** (1998), 483–496.
8. Y. Latushkin, T. Randolph and R. Schnaubelt, *Exponential dichotomy and mild solutions of nonautonomous equations in Banach spaces*. J. Dynam. Differential Equations **10** (1998), 489–510.
9. Nguyen Van Minh, F. Rübiger and R. Schnaubelt, *Exponential stability, exponential expansiveness, and exponential dichotomy of evolution equations on the half-line*. Integral Equations Operator Theory **32** (1998), 332–353.
10. F. Rübiger and R. Schnaubelt, *Absorption evolution families and exponential stability of non-autonomous diffusion equations*. Differential Integral Equations **12** (1999), 41–65.
11. R. Schnaubelt, *Sufficient conditions for exponential stability and dichotomy of evolution equations*. Forum Math. **11** (1999), 543–566.
12. A. Rhandi and R. Schnaubelt, *Asymptotic behaviour of a non-autonomous population equation with diffusion in L^1* . Discrete Contin. Dyn. Syst. **5** (1999), 663–683.
13. Y. Latushkin and R. Schnaubelt, *The spectral mapping theorem for evolution semigroups on L^p associated with strongly continuous cocycles*. Semigroup Forum **59** (1999), 404–414.
14. Y. Latushkin and R. Schnaubelt, *Evolution semigroups, translation algebras, and exponential dichotomy of cocycles*. J. Differential Equations **159** (1999), 321–369.
15. G. Lumer and R. Schnaubelt, *Local operator methods and time dependent parabolic equations on non-cylindrical domains*. In: M. Demuth, E. Schrohe, B.-W. Schulze and J.

- Sjöstrand (Eds.), “Evolution Equations, Feshbach Resonances, Singular Hodge Theory,” Mathematical Topics Vol. 16, Wiley, 1999, pp. 58–130.
16. R. Schnaubelt and J. Voigt, *The non-autonomous Kato class*. Arch. Math. **72** (1999), 454–460.
 17. F. Rübiger, A. Rhandi, R. Schnaubelt and J. Voigt, *Non-autonomous Miyadera perturbations*. Differential Integral Equations **13** (2000), 341–368.
 18. G. Metafune, A. Rhandi and R. Schnaubelt, *Spectrum of the infinite-dimensional Laplacian*. Archiv Math. **75** (2000), 280–282.
 19. R. Schnaubelt, *A sufficient condition for exponential dichotomy of parabolic evolution equations*. In: G. Lumer and L. Weis (Eds.), “Evolution Equations and their Applications in Physical and Life Sciences (Proceedings Bad Herrenalb, 1998),” Marcel Dekker, 2001, pp. 149–158.
 20. R. Schnaubelt, *Asymptotically autonomous parabolic evolution equations*. J. Evol. Equ. **1** (2001), 19–37.
 21. J. Prüss and R. Schnaubelt, *Solvability and maximal regularity of parabolic evolution equations with coefficients continuous in time*. J. Math. Anal. Appl. **256** (2001), 405–430.
 22. G. Lumer and R. Schnaubelt, *Time-dependent parabolic problems on non-cylindrical domains with inhomogeneous boundary conditions*. J. Evol. Equ. **1** (2001), 291–309.
 23. G. Gühring, F. Rübiger and R. Schnaubelt, *A characteristic equation for nonautonomous partial functional differential equations*. J. Differential Equations **181** (2002), 439–462.
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 25. R. Schnaubelt, *Feedbacks for non-autonomous regular linear systems*. SIAM J. Control Optim. **41** (2002), 1141–1165.
 26. L. Maniar and R. Schnaubelt, *Almost periodicity of inhomogeneous parabolic evolution equations*. In: G. Ruiz Goldstein, R. Nagel and S. Romanelli (Eds.), “Recent Contributions to Evolution Equations”, Marcel Dekker, 2003, pp. 299–318.
 27. R. Schnaubelt, *Parabolic evolution equations with asymptotically autonomous delay*. Trans. Amer. Math. Soc. **356** (2004), 3517–3543.
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34. J. Prüss, A. Rhandi and R. Schnaubelt, *The domain of elliptic operators on $L^p(\mathbb{R}^d)$ with unbounded drift coefficients*. Houston J. Math. **32** (2006), 563–576.
35. R. Schnaubelt, *Exponential and polynomial dichotomies of operator semigroups in Banach spaces*. Studia Math. **175** (2006), 121–138.
36. A. Bátkai, K.–J. Engel, J. Prüss and R. Schnaubelt, *Polynomial asymptotic stability of operator semigroups*. Math. Nachr. **279** (2006), 1425–1440.
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38. B. Jacob and R. Schnaubelt, *Observability of polynomially stable systems*. Systems Control Lett. **56** (2007), 277–284.
39. L. Maniar and R. Schnaubelt, *The Fredholm alternative for parabolic evolution equations with inhomogeneous boundary conditions*. J. Differential Equations **235** (2007), 308–339.
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45. M. Hieber, L. Lorenzi, J. Prüss, A. Rhandi and R. Schnaubelt, *Global properties of generalized Ornstein–Uhlenbeck operators on $L^p(\mathbb{R}^N, \mathbb{R}^N)$ with more than linearly growing coefficients*. J. Math. Anal. Appl. **350** (2009), 100–121.
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58. R. Johnson, Y. Latushkin and R. Schnaubelt, *Reduction principle and asymptotic phase for center manifolds of parabolic systems with nonlinear boundary conditions*. J. Dynam. Differential Equations **26** (2014), 243–266.
59. R. Schnaubelt, *Center manifolds and attractivity for quasilinear parabolic problems with fully nonlinear dynamical boundary conditions*. Discrete Contin. Dyn. Syst. Ser. A **35** (2015), 1193–1230.
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67. J. Eilinghoff, R. Schnaubelt and K. Schratz, *Fractional error estimates of splitting schemes for the nonlinear Schrödinger equation*. J. Math. Anal. Appl. **442** (2016), 740–760.
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80. S. Herr, T. Lamm, T. Schmid and R. Schnaubelt, *Biharmonic wave maps: Local wellposedness in high regularity*. Nonlinearity **33** (2020), 2270–2305.
81. I. Lasiecka, M. Pokojovy and R. Schnaubelt, *Exponential decay of quasilinear Maxwell equations with interior conductivity*. NoDEA Nonlinear Differential Equations Appl., to appear.
82. R. Schnaubelt and M. Spitz, *Local wellposedness of quasilinear Maxwell equations with absorbing boundary conditions*. Evol. Equ. Control Theory, to appear.

3. Submitted papers

83. J. Eilinghoff and R. Schnaubelt, *Error estimates in L^2 of an ADI splitting scheme for the inhomogeneous Maxwell equations*.
84. R. Schnaubelt and M. Spitz, *Local wellposedness of quasilinear Maxwell equations with conservative interface conditions*.
85. S. Fornaro, G. Metafuno, D. Pallara and R. Schnaubelt, *L^p -spectrum of degenerate hypoelliptic Ornstein-Uhlenbeck operators*.