

1 Veröffentlichungen in Zeitschriften und Konferenzbänden

1. *Spectral theory of Sturm-Liouville operators: Approximation by regular problems*. Sturm-Liouville theory, 75–98, Birkhäuser, Basel, 2005.
2. *Strong operator convergence and spectral theory of ordinary differential operators*. Univ. Iagel. Acta Math. No. 34 (1997), 153–163.
3. *Uniform nonsubordinacy and the absolutely continuous spectrum*. Analysis 16 (1996), no. 1, 89–99.
4. *Approximation of isolated eigenvalues of general singular ordinary differential operators*. Results Math. 28 (1995), no. 3-4, 345–358 (with G. Stolz).
5. *One-dimensional Schrödinger operators with local point interactions*. J. Reine Angew. Math. 467 (1995), 169–186 (with D. Buschmann & G. Stolz).
6. *On the spectra of selfadjoint extensions. Operator extensions, interpolation of functions and related topics* (Timișoara, 1992), 29–45, Oper. Theory Adv. Appl., 61, Birkhäuser, Basel, 1993 (with J. Brasche & H. Neidhardt).
7. *Approximation of isolated eigenvalues of ordinary differential operators*. J. Reine Angew. Math. 445 (1993), 31–44 (with G. Stolz).
8. *On the point spectrum of selfadjoint extensions*. Math. Z. 214 (1993), no. 2, 343–355 (with J. Brasche & H. Neidhardt).
9. *Regular approximations of singular Sturm-Liouville problems*. Results Math. 23 (1993), no. 1-2, 3–22. (with P.B. Bailey & W.N. Everitt & A. Zettl).
10. *Expansions in generalized eigenfunctions of selfadjoint operators*. Math. Z. 202 (1989), no. 3, 397–408 (with T. Poerschke & G. Stolz).
11. *Perturbations of self-adjoint differential operators*. Notices of the South African Mathematical Society 16 (1984), 180–192.
12. *Stetige Abhängigkeit der Eigenwerte und Eigenfunktionen elliptischer Differentialoperatoren vom Gebiet*. Math. Scand. 54 (1984), no. 1, 51–69.
13. *Absolut stetiges Spektrum bei Sturm - Liouville - Operatoren und Dirac - Systemen*. Math. Z. 180 (1982), no. 3, 423–427.
14. *Continuity of the eigenvalues of selfadjoint operators with respect to the strong operator topology*. Integral Equations Operator Theory 3 (1980), no. 1, 138–142.

15. *Monotone continuity of the spectral resolution and the eigenvalues.* Proc. Roy. Soc. Edinburgh Sect. A 85 (1980), no. 1-2, 131–136.
16. *The singular sequence problem.* Acta Sci. Math. (Szeged) 40 (1978), no. 3-4, 383–388 (with W. Tafel & J. Voigt).
17. *Potential scattering in a homogeneous electrostatic field.* Math. Z. 156 (1977), no. 1, 93–104 (with K. Veselić).
18. *Scattering theory for partial differential operators. Differential equations* (Proc. Internat. Conf., Uppsala, 1977), 189–198. Sympos. Univ. Upsaliensis Ann. Quingentesimum Celebrantis, No. 7, Almqvist & Wiksell, Stockholm, 1977.
19. *Trace class methods for scattering in a homogeneous electro-static field.* Ordinary and partial differential equations (Proc. Fourth Conf., Univ. Dundee, Dundee, 1976), 527–532. Lecture Notes in Math., Vol. 564, Springer, Berlin, 1976.
20. *Spectral theory of partial differential operators.* Spectral theory and differential equations (Proc. Sympos., Dundee, 1974; dedicated to Konrad Jorgens), 71–111. Lecture Notes in Math., Vol. 448, Springer, Berlin, 1975.
21. *Verteilung der Eigenwerte für eine Klasse von Integraloperatoren in $L_2(a, b)$.* J. Reine Angew. Math. 276 (1975), 213–220.
22. *Perturbations of self-adjoint operators in $L_2(G)$ with applications to differential operators.* Ordinary and partial differential equations (Proc. Conf., Univ. Dundee, Dundee, 1974), 268–281. Lecture Notes in Math., Vol. 415, Springer, Berlin, 1974.
23. *Scattering theory for a general class of differential operators.* Spectral theory and asymptotics of differential equations (Proc. Conf., Scheveningen, 1973), 119–128. North-Holland Math. Studies, Vol. 13, North-Holland, Amsterdam, 1974 (with K. Veselić).
24. *Asymptotic estimates of wave functions and the existence of wave operators.* J. Functional Analysis 17 (1974), 61–77 (with K. Veselić).
25. *Existenz der Wellenoperatoren für eine allgemeine Klasse von Operatoren.* Math. Z. 134 (1973), 255–274 (with K. Veselić).
26. *Some remarks on a separation and limit-point criterion of second-order, ordinary differential expressions.* Math. Ann. 200 (1973), 335–346 (with W. N. Everitt & M. Giertz).

27. *Zur Existenz der Wellenoperatoren.* Math. Z. 131 (1973), 141–151 (with K. Jörgens).
28. *Oszillationsmethoden für Systeme gewöhnlicher Differentialgleichungen.* Math. Z. 119 (1971), 349–373.
29. *Carlemanoperatoren.* Manuscripta Math. 2 (1970), 1–38.
Vgl. *Carlemanoperatoren*, Habilitationsschrift, München 1969.
30. *On the essential spectrum.* J. Math. Anal. Appl. 25 (1969), 121–127 (with K. Gustafson).
31. *Strong Carleman operators are of Hilbert-Schmidt type.* Bull. Amer. Math. Soc. 74 (1968), 735–737.
32. *Zur Spektraltheorie von Sturm-Liouville-Operatoren.* Math. Z. 98 (1967), 268–302.
Vgl. *Zur Spektraltheorie von Sturm-Liouville-Operatoren*, Dissertation, Heidelberg 1966.
33. *The virial theorem and its application to the spectral theory of Schrödinger operators.* Bull. Amer. Math. Soc. 73 (1967), 452–456.
34. *Integraloperatoren der Spurklasse.* Math. Ann. 163 (1966), 340–345.
35. *On the continuous spectrum of Schrödinger operators.* Comm. Pure Appl. Math. 19 (1966), 107–110.
36. *Ein Satz über nukleare Operatoren im Hilbertraum.* Math. Ann. 158 (1965), 69–78.

2 Bücher

1. *Lineare Operatoren in Hilberträumen. Teil 2: Anwendungen.* B. G. Teubner, Stuttgart, 2003.
2. *Lineare Operatoren in Hilberträumen. Teil 1: Grundlagen.* B. G. Teubner, Stuttgart, 2000.
3. *Spectral theory of ordinary differential operators.* Lecture Notes in Mathematics, 1258. Springer-Verlag, Berlin, 1987.
4. *Linear operators in Hilbert spaces.* Translated from the German by Joseph Szücs. Graduate Texts in Mathematics, 68. Springer-Verlag, New York-Berlin, 1980.
5. *Lineare Operatoren in Hilberträumen.* B. G. Teubner, Stuttgart, 1976.
6. K. Jörgens & F. Rellich: *Eigenwerttheorie gewöhnlicher Differentialgleichungen.* Bearbeitet von J. Weidmann. Springer-Verlag, Berlin-New York, 1976.
7. *Spectral properties of Hamiltonian operators.* Lecture Notes in Mathematics, Vol. 313. Springer-Verlag, Berlin-New York, 1973 (with K. Jörgens).

3 Sonstige Veröffentlichungen

1. *Gottfried Köthe 1905–1989*. Aus der Geschichte der Frankfurter Mathematik, 135–149, Schr. Universitätsarchivs Frankf. am Main, 1, Universitätsarchiv Frankf. am Main, Frankfurt am Main, 2005.
2. *Gottfried Köthe, 1905–1989*. Dedicated to the memory of Professor Gottfried Köthe. *Note Mat.* 10 (1990), suppl. 1, 1–7 (1992).
3. R. Hempel & A.M. Hinz & H. Kalf: *On the essential spectrum of Schrödinger operators with spherically symmetric potentials*. With a comment by J. Weidmann. *Math. Ann.* 277 (1987), no. 2, 197–211.
4. R. A. H. Lorentz & P. A. Rejto: *Some integral operators of trace class*. With an appendix by Joachim Weidmann. *Acta Sci. Math. (Szeged)* 36 (1974), 91–105.