REFERENCES

1. H. Bercovici and D. Voiculescu, The analogue of Kuroda's theorem for *n*-tuples, *in* "Operator Yheory: Advances and Applications," Vol. 41, pp. 57-60, Birkhäuser, Basel, Boston, MA, 1988.

2. I. Berg, An extension of the Weyl-von Neumann theorem to normal operators, *Trans*. *Amer. Math. Soc.* **160** (1971), 365-371.

3. R. Carey and J. Pincus, Commutators, and determining functions, *J. Funct. Anal.* **19** (1975), 50-80.

4. R. Carey and J. Pincus, Unitary equivalence modulo the trace class for self-adjoint operators, *Amer. J. Math.* **98** (1976), 481-514.

5. R. Carey and J. Pincus, Mosaics, principal functions, and mean motion in von Neumann algebras, *Acta Math.***138** (1977), 153-218.

6. G. David and D. Voicullescu, s-numbers of singular integrals for the invariance of absolutely continuous spectra in fractional dimensions, *J. Funct. Anal.* **94** (1990), 14-26. R. Douglas, C^{ι} -algebra extensions and K-homology, *in* "Ann. of Math. Stud.," No. 95, Princeton Univ. Press, Princeton, 1980.

7. P. Halmos, Limits of shifts, *Acta Sci. Math.* (*Szeged*) **34** (1972), 131-139.

8. T. Kato, Perturbation of continuous spectra by trace class operators, *Proc, Japan Acad.* **33** (1957) 260-264.T. Kato, "Perturbation theory for Linear Operators," Springer-Verlag, New York, 1976.

9. J. von Neumann, Charakterisierung des spectrums eines integral operators, *Actualités* Sci. Ind. **229** (1935), 33-55.

10. M. Rosenblum, Perturbation of continuous spectrum and unitary equivalence, *Pacific J. Math.* **7** (1957), 997-1010.

11. R. Schatten, "Norm Ideals of Completely Continuous Operators, "Springer-Verlag, Berlin, 1970.

12. D. Voiculescu, A noncommutative Weyl-von Neumann theorem, *Rev. Roumaine Math. Pures Appl.* **21** (1976), 97-113.

13. D. Voiculescu, Some results on norm-ideal perturbation of Hilbert space operators, *J. Operator Theory* **2** (1979), 3-37.

14. D. Voiculescu, Some results on norm-ideal perturbation of Hilbert space operators, II, *J. Operator Theory* **5** (1981), 77-100.

15. D. Voiculescu, on the existence of quasicentral approximate units relative to normed ideals, Part I, *J. Funct. Anal.* **91** (1990), 136.

16. X. Wang, Voiculescu theorem, Sobolev lemma, and extensions of smooth algebras, *Bull. Amer. Math. Soc. (N.S)* **27** (1992), 292-297.

17. H. Weyl, über beschränkte quadratische Formen, deren Differenz vollsterting ist, *Rend. Circ. Mat. Palermo* **27** (1909), 373-392.

18. N. I. Akhiezer, Theory of Linear Operator in Hilbert Space Vol. 2, Pitnam, Boston/London/Melbourne, 1981.

19. H. Bauer, Maβ- und Integrationstheorie, de Gruyter, Berlin/New York 1990.

20. J. F. Brasche and H. Nedharst, Some Remarks on Krein's extension Theory, Mathematische Nachrichten **165** (1994), 159-181.

21. J. F. Brasche and H. Nedharst, Has every symmetric operator a restriction whose square has a trivial domain? *Acta.* Sci. Mathematicarum **58** (1993), 421-426.

22. J. F. Brasche and H. Nedharst, On the singular continuous spectrum of self-adjoint extensions, *Math. Z.* to appear.

23. J. F. Brasche and H. Nedharst, and J. Weidmann, On the point spectrum of self-adjoint extensions, *Math. Z.* **214** (1993), 343-355.

24. J. F. Brasche and H. Nedharst, and J. Weidmann, On the point spectra of self-adjoint extensions, *Oper. Theory: Adv. Appl.* **61** (1993), 29-45.

25. V. A. Derkach and M. M. Malamud, Generalized resolvents and the boundary value problems for Hermitean operators with gap, *J. Funct. Anal.* **95** (1991), 1-95.

26. G. Gordon, D. L. Webb, and S. A. Wolpert, One cannot hear the shape of a drum. *Bull. Amer. Math. Soc.* **27** (1992), 134-138.

27. R. Hempel. L. A. Seco and B. Simon. The essential spectrum of Neumann Laplacians on some bounded singular domains, *J. Funct. Anal.***102** (1991), 448-483.

28. R. Hempel and R. Weder, On the completeness of wave operators under loss of local compactness. *J. Funct. Anal.* **113** (1993), 391-412.

29. T. Kato, Perturbation Theory for Linear operators, Springer, Berlin/Heidelberg/New York, 2nd ed. 1976.

30. M. Kac, Can one hear the shape of a drum? *Amer. Math. Monthly* **73,** (II) (1966), 1-23.

31. M. G. Krein. Theory of self-adjoint extensions of semi-bounded Hermitan operators and its application. I, Mat. Sbornik **20** (3) (1947), 431-490.

32. M. M. Malamud, On certain classes of extensions of a Hermitean operator with gap, *Ukrainian Math. J.* **44** (1992), 215-233.

33. M. A. Neumark, Linear Differentialoperatoren, Akad, Verlagsesellscgaft, Frankfurt-am-Main/Leipzig, 1960.

34. B. Simon, The Neumann Laplacian of a jelly roll, *Proc. Amer. Math. Soc.* **114** (3) (1993), 783-785.

35. S. Albeverio, J. F. Brasche, and M. Röckner, Dirichiet forms and generalized Schrödinher operators, *in* "Schrödinher operators" (H. Holden and A. Jensen, Eds.), Lecture Notes in physics, Vol. 435, pp. 1-42, Springer-Verlag, Berlin/New York, 1989.

36. S. Albeverio, J. E. Fenstad, R. HØegh-Krohn, and T. Lindström, "Non-standard Methods in stochastic Analysis and Mathematical physics," Academic Press, San Diego, 1986.

37. S. Albeverio, F. Gesztesy, R. HØegh-Krohn, and H. Holden. "Solvable Models in Quantum Mechanics," Springer-Verlag, Berlin/New York. 1988.

38. A. Alonso and B. Simon, The Birman-Krein-Vishik theory of self-adjoint extensions of semibounded operators, *J. Operator Theory* **4** (1980), 251-270.

39. J. F. Brasche, Generalized Schrödinher operators, an inverse problem in spectral analysis and the Efimov effect, *in* "Stochastic processes, Physics and Geometry" (S. Albeverio *et al., Eds.*), pp. 207-245, Word Scientific, Singapore, and 1989.

40. J.F. Brasche and H. Neidhardt, Some Remarks on Krein's extension Theory, *Math. Nach.* **165** (1994), 159-181.

41. J.F. Brasche and H. Neidhardt, On the absolutely continuous spectrum of self-adjoint extensions, *J. Funct. Anal.* **131**(2) (2995), 364-385.

42. J.F. Brasche and H. Neidhardt, On the singular continuous spectrum of self-adjoint extensions, *Math. Zeitschr.* **222** (1996), 533-542.

43. J.F. Brasche and H. Neidhardt, and J. Weidmann, On the point spectrum of self-adjoint extensions, *Math. Zeitschr.* **214** (1993), 343-355.

44. J.F. Brasche and H. Neidhardt, and J. Weidmann, On the point spectrum of self-adjoint extensions, *Oper. Theory Adv. Appl.* **61** (1993), 29-45.

45. R. Del Rio. N. Makarov, and B. Simon, Operators with singular continuous spectrum II. Rank one operator, *Comm*. *Math. Phys.* **165** (1994), 59-67.

46. V. A. Derkach and M. M. Malamud, Generalized resolvents and the boundary value problems for Hermitean operators with gap, *J. Funct. Anal.* **95** (1991), 1-95.

47. P. Exner and P. Šeba (Eds.), "Applications of self-adjoint Extensions in Quantum physics," Lecture Notes in physics, Vol. 324, Springer-Verlag, Berlin/New York, 1989.

48. M. Fukushima, On boundary conditions for multi-dimensional Brownain motions with symmetric resolvent densities, *J. Math. Soc. Japan* **21** (1969), 58-93.

49. A. Y. Gordon, Pure point spectrum under 1-parameter perturbations and instability of Anderson localization, *Comm. Math. Phys.* **164** (1994), 489-505.

50. R. Hempal. Th. Kriecherbauer, and P. Plankensteiner, Discrete and Cantor spectrum for Neumann Laplacians of combs, *Math. Nachr. , to appear.*

51. R. Hempal, L. R. Seco, and B. Simon, The essential spectrum of Neumann Laplacians on some bounded singular domains, *J. Funct. Anal.* **113** (1993), 391-412.

52. N. Jacob, "Pseudo-Differential Operators and wave Processes," Akademie Verlag, Beril, 1996.

53. M. G. Krein, Theory of self-adjoint extensions of semi-bounded Hermitean operators and its applications, I, *Mat. Sbornik* **20** (3) (1947), 431-490.

54. D. B. Pearson, A. generalization of Birman trace theorem, *J.Funct. Anal.* **28** (1978), 182-186.

55. B. Simon, The Neumann Laplacian of a jelly roll, *Proc. Amer. Math. Soc.* **114**(3) (1993), 783-785.

56. D. Alpay, I. Gohberg Unitary rational matrix function, in: I. Gohberg (Ed.), Topics in Interpolation Theory of Rational Matrix Valued Functions, Operator Theory: advances and applications, vol. 33, Birkäuser Verlag, Basel, 1988, pp. 175-222.

57. H. D'Angelo, Linear Time-Varying Systems: Analysis, Allyn & Bacon, Boston, 1970.

58. I. Gohberg, M. A. Kaashoek, Time varying linear systems with boundary conditions and integral operators I, the transfer operator and its properties, Integral Equations Operator Theory 7 (1984), 325-391.4