

LIST OF PUBLICATIONS

JOURNAL PAPERS

1. The Asymptotic Behaviour of $\mu(z, \beta, \alpha)$, *Can. J. Math.*, **21**(1969), 1013-1023 (with M. Wyman).
2. On a Laplace Integral Involving Logarithms, *SIAM J. Math. Anal.*, **1**(1970), 360-364.
3. Series Expansions of $W_{k,m}(z)$ Involving Parabolic Cylinder Functions, *Math. Comp.*, **25**(1971), 783-787 (with E. Rosenbloom).
4. A Generalization of Watson's Lemma, *Can. J. Math.*, **24**(1972), 185-208 (with M. Wyman).
5. On Uniform Asymptotic Expansion of Definite Integrals, *J. Approx. Theory*, **7**(1973), 76-86.
6. An Asymptotic Expansion of $W_{k,m}(z)$ with Large Variable and Parameters, *Math. Comp.*, **27**(1973), 429-436.
7. Linear Equations in Infinite Matrices, *Linear Algebra Appl.*, **7**(1973), 53-62 (with P. N. Shivakumar).
8. On a Stability Theorem of E. J. McShane, *J. Math. Anal. Appl.*, **44**(1973), 215-217.
9. The Method of Darboux, *J. Approx. Theory*, **10**(1974), 159-171 (with M. Wyman).
10. Asymptotic Solutions of Linear Volterra Integral Equations with Singular Kernels, *Trans. Amer. Math. Soc.*, **189**(1974), 185-200 (with J. S. W. Wong).
11. Asymptotic Expansion of Operator-Valued Laplace Transforms, *J. Approx. Theory*, **12**(1974), 378-384 (with J. J. Williams).
12. On Laplace Transforms Near the Origin, *Math. Comp.*, **29**(1975), 573-576.
13. On Infinite Systems of Linear Differential Equations, *Can. J. Math.*, **27**(1975), 691-703 (with J. P. McClure).
14. On Asymptotic Solutions of the Renewal Equations, *J. Math. Anal. Appl.*, **53**(1976), 243-250 (with J. S. W. Wong).
15. Error Bounds for Asymptotic Expansions of Hankel Transforms, *SIAM J. Math. Anal.*, **7**(1976), 799-808.

16. Infinite Systems of Differential Equations, *Can. J. Math.*, **28**(1976), 1132-1145 (with J. P. McClure).
17. Asymptotic Expansions of Hankel Transforms of Functions with Logarithmic Singularities, *Comput. Maths. Appl.*, **3**(1977), 271-286.
18. Asymptotic Expansions of Fractional Integrals Involving Logarithms, *SIAM J. Math. Anal.*, **9**(1978), 835-842.
19. Asymptotic Expansions of Fourier Transforms of Functions with Logarithmic Singularities, *J. Math. Anal. Appl.*, **64**(1978), 173-180 (with J. F. Lin).
20. Explicit Error Terms for Asymptotic Expansions of Stieltjes Transforms, *J. Inst. Maths Applics*, **22**(1978), 129-145 (with J. P. McClure).
21. Explicit Error Terms for Asymptotic Expansions of Mellin Convolutions, *J. Math. Anal. Appl.*, **72**(1979), 740-756.
22. Infinite Systems of Differential Equations II, *Can. J. Math.*, **31**(1979), 596-603 (with J. P. McClure).
23. Asymptotic Expansions of Multiple Fourier Transforms, *SIAM J. Math. Anal.*, **10**(1979), 1095-1104 (with P. N. Shivakumar).
24. Exact Remainder for Asymptotic Expansions of Fractional Integrals, *J. Inst. Maths Applics*, **23**(1979), 139-147 (with J. P. McClure).
25. Asymptotic Expansions of the Hilbert Transforms, *SIAM J. Math. Anal.*, **11**(1980), 92-99.
26. An Asymptotic Expansion of a Beta-Type Integral and its Applications to Probabilities of Large Deviations, *Proc. Amer. Math. Soc.*, **79**(1980), 410-414 (with J. C. Fu).
27. Error Bounds for Asymptotic Expansions of Integrals, *SIAM Rev.*, **22**(1980), 401- 435.
28. On a Uniform Asymptotic Expansion of a Fourier-Type Integral, *Quart. Appl. Math.*, **38**(1980), 225-234.
29. Distributional Derivation of an Asymptotic Expansion, *Proc. Amer. Math. Soc.*, **80**(1980), 266- 270.
30. Asymptotic Expansions of the Kontorovich-Lebedev Transform, *Appl. Anal.*, **12**(1981), 161-172.
31. On a Method of Asymptotic Evaluation of Multiple Integrals, *Math. Comp.*, **37**(1981), 509-521 (with J. P. McClure).

32. Asymptotic Expansion of the Lebesgue Constants Associated with Polynomial Interpolation, *Math. Comp.*, **39**(1982), 195-200 (with P. N. Shivakumar).
33. Quadrature Formulas for Oscillatory Integral Transforms, *Numer. Math.*, **39**(1982), 351-360.
34. Error Bounds for Multidimensional Laplace Approximation, *J. Approx. Theory*, **37**(1983), 372-390 (with J. P. McClure).
35. Schrödinger Spectral Kernels: Higher Order Asymptotic Expansions, *J. Math. Phys.*, **24**(1983), 1487-1501 (with T. A. Osborn).
36. Generalized Mellin Convolutions and Their Asymptotic Expansions, *Can. J. Math.*, **36**(1984), 924-960 (with J. P. McClure).
37. On the Asymptotic Behavior of the Lebesgue Constants for Jacobi Series, *C. R. Math. Rep. Acad. Sci. Canada*, **6**(1984), 267-271 (with C. L. Frenzen).
38. A Note on Asymptotic Evaluation of Some Hankel Transforms, *Math. Comp.*, **45**(1985), 537-548 (with C. L. Frenzen).
39. A Uniform Asymptotic Expansion of the Jacobi Polynomials with Error Bounds, *Can. J. Math.*, **37**(1985), 979-1007 (with C. L. Frenzen).
40. Time Decay and Spectral Kernel Asymptotics, *J. Math. Phys.*, **26**(1985), 753-768 (with T. A. Osborn).
41. Asymptotic Expansions of the Lebesgue Constants for Jacobi Series, *Pacific J. Math.*, **122**(1986), 391-415 (with C. L. Frenzen).
42. Asymptotic Approximation of an Integral Involving the Normal Distribution, *Canad. Math. Bull.*, **29**(1986), 167-176 (with J. P. McClure).
43. Asymptotic Expansion of a Multiple Integral, *SIAM J. Math. Anal.*, **18**(1987), 1630-1637 (with J. P. McClure).
44. Asymptotic Expansion of a Double Integral with a Curve of Stationary Points, *IMA J. Appl. Math.*, **38**(1987), 49-59 (with J. P. McClure).
45. Asymptotic Expansion of $\int_0^{\pi/2} J_\nu^2(\lambda \cos \theta) d\theta$, *Math. Comp.*, **50**(1988), 229-234.
46. Szegő's Conjecture on Lebesgue Constants for Legendre Series, *Pacific J. Math.*, **135**(1988), 157-188 (with C. K. Qu).
47. Uniform Asymptotic Expansions of Laguerre Polynomials, *SIAM J. Math. Anal.*, **19**(1988), 1232-1248 (with C. L. Frenzen).

48. Error Bounds for a Uniform Asymptotic Expansion of the Legendre Function $P_n^{-m}(\cosh z)$, *Quart. Appl. Math.*, **46**(1988), 473-488 (with P. N. Shivakumar).
49. Transformation to Canonical Form for Uniform Asymptotic Expansions, *J. Math. Anal. Appl.*, **149**(1990), 210-219 (with C. K. Qu).
50. Multidimensional Stationary Phase Approximation: Boundary Stationary Point, *J. Comput. Appl. Math.*, **30**(1990), 213-225 (with J. P. McClure).
51. Asymptotic Expansion of a Quadruple Integral Involving a Bessel Function, *J. Comput. Appl. Math.*, **33**(1990), 199-215 (with J. P. McClure).
52. Asymptotic Behavior of the Inflection Points of Bessel Functions, *Proc. Roy. Soc. Lond. A*, **431**(1990), 509-518 (with T. Lang).
53. Two-dimensional Stationary Phase Approximation: Stationary Point at a Corner, *SIAM J. Math. Anal.*, **22**(1991), 500-523 (with J. P. McClure).
54. On the Points of Inflection of Bessel Functions of Positive Order II, *Can. J. Math.*, **43**(1991), 628-651 (with T. Lang).
55. Asymptotic Expansions for Second-Order Linear Difference Equations, *J. Comput. Appl. Math.*, **41**(1992), 65-94 (with H. Li).
56. Asymptotic Expansions for Second-Order Linear Difference Equations II, *Stud. Appl. Math.*, **87**(1992), 289-324 (with H. Li).
57. On the Asymptotics of the Jacobi Function and Its Zeros, *SIAM J. Math. Anal.*, **23**(1992), 1637-1649 (with Q. Q. Wang).
58. Asymptotic Behavior of the Fundamental Solution to $\frac{\partial u}{\partial t} = -(-\Delta)^m u$, *Proc. Roy. Soc. Lond. A*, **441**(1993), 423-432 (with X. Li).
59. On the Relative Extrema of the Jacobi Polynomials $P_n^{(0,-1)}(x)$, *SIAM J. Math. Anal.*, **25**(1994), 776-811 (with J. M. Zhang).
60. A Uniform Asymptotic Expansion for the Shear-Wave Front in a Layer, *Wave Motion*, **19**(1994), 293-308 (with H. H. Dai).
61. A Bernstein-Type Inequality for the Jacobi Polynomial, *Proc. Amer. Math. Soc.*, **121**(1994), 703-709 (with Y. Chow and L. Gatteschi).
62. Error Bounds for Asymptotic Expansions of Laplace Convolutions, *SIAM J. Math. Anal.*, **25**(1994), 1537-1553 (with X. Li).
63. Asymptotic Monotonicity of the Relative Extrema of Jacobi Polynomials, *Can. J. Math.*, **46**(1994), 1318-1337 (with J. M. Zhang).

64. Uniform Asymptotic Expansion of Charlier Polynomials, *Methods Appl. Anal.*, **1**(1994), 294-313 (with R. Bo).
65. Asymptotic Behavior of the Pollaczek Polynomials and Their Zeros, *Stud. Appl. Math.*, **96**(1996), 307-338 (with R. Bo).
66. "Best Possible" Upper Bounds for the First Two Positive Zeros of the Bessel Function $J_\nu(x)$: the Infinite Case, *J. Comput. Appl. Math.*, **71**(1996), 311-329 (with T. Lang).
67. A Uniform Asymptotic Expansion for the Jacobi Polynomials with Explicit Remainder, *Appl. Anal.*, **61**(1996), 17-29 (with J. M. Zhang).
68. Justification of the Stationary Phase Approximation in Time-Domain Asymptotics, *Proc. Roy. Soc. Lond. A*, **453**(1997), 1019-1031 (with J. P. McClure).
69. The Asymptotics of a Second Solution to the Jacobi Differential Equation, *Integral Transforms Spec. Func.*, **5**(1997), 287-308 (with J. M. Zhang).
70. Asymptotic Expansions of the Generalized Bessel Polynomials, *J. Comput. Appl. Math.*, **85**(1997), 87-112 (with J. M. Zhang).
71. Uniform Asymptotic Expansions for Meixner Polynomials, *Constr. Approx.*, **14**(1998), 113-150 (with X. S. Jin).
72. "Best Possible" Upper and Lower Bounds for the Zeros of the Bessel Function $J_\nu(x)$, *Trans. Amer. Math. Soc.*, **351**(1999), 2833-2859 (with C. K. Qu).
73. Asymptotic Formulas for the Zeros of the Meixner Polynomials, *J. Approx. Theory*, **96**(1999), 281-300 (with X. S. Jin).
74. Justification of a Perturbation Approximation of the Klein-Gordon Equation, *Stud. Appl. Math.*, **102**(1999), 375-417 (with X. H. Jiang).
75. A Uniform Asymptotic Formula for Orthogonal Polynomials Associated with $\exp(-x^4)$, *J. Approx. Theory*, **98**(1999), 146-166 (with R. Bo).
76. Smoothing of Stokes Discontinuity for the Generalized Bessel Function, *Proc. Roy. Soc. Lond. A*, **455**(1999), 1381-1400 (with Y. Q. Zhao).
77. Smoothing of Stokes Discontinuity for the Generalized Bessel Function II, *Proc. Roy. Soc. Lond. A*, **455**(1999), 3065-3084 (with Y. Q. Zhao).
78. Uniform Asymptotic Expansions of an Inverse-Laplace-Transform Integral with Applications to Problems of Wave Propagation, *Quart. J. Mech. Appl. Math.*, **52**(1999), 327-348 (with R. Bo and H. H. Dai).

79. Uniform Asymptotic Expansions of a Double Integral: Coalescence of Two Stationary Points, *Proc. Roy. Soc. Lond. A*, **456**(2000), 407-431 (with W. Y. Qiu).
80. Uniform Asymptotic Formula for Orthogonal Polynomials with Exponential Weight, *SIAM J. Math. Anal.*, **31**(2000), 992-1029 (with W. Y. Qiu).
81. A Uniform Asymptotic Expansion for Krawtchouk Polynomials, *J. Approx. Theory*, **106**(2000), 155-184 (with X. Li).
82. On the Asymptotics of the Meixner-Pollaczek Polynomials and Their Zeros, *Constr. Approx.*, **17**(2001), 59-90 (with X. Li).
83. Gevrey Asymptotics and Stieltjes Transforms of Algebraically Decaying Functions, *Proc. Roy. Soc. Lond. A*, **458**(2002), 625-644 (with Y. Q. Zhao).
84. Uniform Asymptotic Expansion of $J_\nu(va)$ via a Difference Equation, *Numer. Math.*, **91**(2002), 147-193 (with Z. Wang).
85. Exponential Asymptotics of the Mittag-Leffler Function, *Constr. Approx.*, **18**(2002), 355-385 (with Y. Q. Zhao).
86. On an Internal Boundary Layer Problem, *J. Comput. Appl. Math.*, **144**(2002), 301-323 (with H. P. Yang).
87. On a Boundary Layer Problem, *Stud. Appl. Math.*, **108**(2002), 369-398 (with H. P. Yang).
88. On The Ackerberg-O'Malley Resonance, *Stud. Appl. Math.*, **110**(2003), 157-179 (with H. P. Yang).
89. Asymptotic Expansions for Second-Order Linear Difference Equations with a Turning Point, *Numer. Math.*, **94**(2003), 147-194 (with Z. Wang).
90. Estimates for the Error Term in a Uniform Asymptotic Expansion of the Jacobi Polynomials, *Anal. Appl.*, **1**(2003), 213-241 (with Y. Q. Zhao).
91. On a Two-Point Boundary-Value Problem with Spurious Solutions, *Stud. Appl. Math.*, **111**(2003), 377-408 (with C. H. Ou).
92. Shooting Method for Nonlinear Singularly Perturbed Boundary-Value Problems, *Stud. Appl. Math.*, **112**(2004), 161-200 (with C. H. Ou).
93. Asymptotic Expansion of the Krawtchouk Polynomials and Their Zeros, *Comput. Methods Funct. Theory*, **4**(2004), 189-226 (with W. Y. Qiu).
94. Uniform Asymptotic Expansion of the Jacobi Polynomials in a Complex Domain, *Proc. Roy. Soc. Lond. A*, **460**(2004), 2569-2586 (with Y. Q. Zhao).

95. On a Uniform Treatment of Darboux's Method, *Constr. Approx.*, **21**(2005), 225-255 (with Y. Q. Zhao).
96. Linear Difference Equations with Transition Points, *Math. Comp.*, **74**(2005), 629-653 (with Z. Wang).
97. Uniform Asymptotics for Orthogonal Polynomials with Exponential Weights – the Riemann-Hilbert Approach, *Stud. Appl. Math.*, **115**(2005), 139-155 (with Z. Wang).
98. Bessel-Type Asymptotic Expansions via the Riemann-Hilbert Approach, *Proc. Roy. Soc. Lond. A*, **461**(2005), 2839-2856 (with Z. Wang).
99. Asymptotic Analysis of a Perturbed Periodic Solution for the KdV Equation, *Stud. Appl. Math.*, **116**(2006), 21-33 (with X. H. Jiang).
100. Uniform Asymptotics for Jacobi Polynomials with Varying Large Negative Parameters – a Riemann-Hilbert Approach, *Trans. Amer. Math. Soc.*, **358**(2006), 2663-2694 (with W. J. Zhang).
101. Uniform Asymptotics of the Stieltjes-Wigert Polynomials via the Riemann-Hilbert Approach, *J. Math. Pures Appl.*, **85**(2006), 698-718 (with Z. Wang).
102. Exponential Asymptotics and Adiabatic Invariance of a Simple Oscillator, *C. R. Math. Acad. Sci. Paris. Ser. I*, **343**(2006), 457-462 (with C. H. Ou).
103. A Singularly Perturbed Boundary-Valued Problem Arising in Phase Transitions, *Euro. J. Appl. Math.*, **17**(2006), 705–733 (with Y. Zhao).
104. Asymptotic Solutions of a Fourth Order Differential Equation, *Stud. Appl. Math.*, **118**(2007), 133-152 (with H. Y. Zhang).
105. Global Asymptotics of Krawtchouk Polynomials – a Riemann-Hilbert Approach, *Chinese Ann. Math. Series B*, **28**(2007), 1-34 (with D. Dai).
106. Global Asymptotics of Hermite Polynomials via Riemann-Hilbert Approach, *Discrete Contin. Dyn. Syst. B*, **7**(2007), 661-682 (with L. Zhang).
107. Discrete Analogues of Laplace's Approximation, *Asymptot. Anal.*, **54**(2007), 165-180 (with X. S. Wang).
108. On the Number of Solutions to Carrier's Problem, *Stud. Appl. Math.*, **120**(2008), 213-245 (with Y. Zhao).
109. Integral and Series Representations of the Dirac Delta Function, *Comm. Pure Appl. Anal.*, **7**(2008), 229-247 (with Y. T. Li).
110. Asymptotic Expansions for Riemann-Hilbert Problems, *Anal. Appl.*, **6**(2008), 269-298 (with W. Y. Qiu).

111. Global Asymptotics for Laguerre Polynomials with Large Negative Parameter – a Riemann-Hilbert Approach, *Ramanujan J.*, **16**(2008), 181-209 (with D. Dai).
112. Global Asymptotic Expansions of the Laguerre Polynomials – a Riemann-Hilbert Approach, *Numer. Algorithms*, **49**(2008), 331-372 (with W. Y. Qiu).
113. On the Connection Formulas of the Third Painlevé Transcendent, *Discrete Contin. Dyn. Syst.*, **23**(2009), 541-560 (with H. Y. Zhang).
114. On a Nested Boundary-Layer Problem, *Comm. Pure Appl. Anal.*, **8**(2009), 419-433 (with X. Liang).
115. Asymptotics of Orthogonal Polynomials via the Riemann-Hilbert Approach, *Acta Math. Sci.*, **29**(2009), 1005-1034 (with Y. Q. Zhao).
116. Hyperasymptotic Expansions of the Modified Bessel Function of the Third Kind of Purely Imaginary Order, *Asymptot. Anal.*, **63**(2009), 101-123 (with W. Shi).
117. Global Asymptotics for Polynomials Orthogonal with Exponential Quartic Weight, *Asymptot. Anal.*, **64**(2009), 125-154 (with L. Zhang).
118. On the Connection Formulas of the Fourth Painlevé Transcendent, *Anal. Appl.*, **7**(2009), 419-448 (with H. Y. Zhang).
119. Uniform Asymptotics of Some q-Orthogonal Polynomials, *J. Math. Anal. Appl.*, **364**(2010), 79-87 (with X. S. Wang).
120. Global Asymptotics of Orthogonal Polynomials Associated with $|x|^{2\alpha}e^{-Q(x)}$, *J. Approx. Theory*, **162**(2010), 723-765 (with L. Zhang).
121. Uniform Asymptotic Expansions of the Tricomi-Carlitz Polynomials, *Proc. Amer. Math. Soc.*, **138** (2010), 2513-2519 (with K. F. Lee).
122. The Riemann-Hilbert Approach to Global Asymptotics of Discrete Orthogonal Polynomials with Infinite Nodes, *Anal. Appl.*, **8**(2010), 247-286 (with C. H. Ou).
123. Error Bounds for Uniform Asymptotic Expansions – Modified Bessel Function of Purely Imaginary Order, *Chinese Ann. Math. Series B*, **31**(2010), 759-780 (with W. Shi).
124. Uniform Asymptotics for Meixner-Pollaczek Polynomials with Varying Parameter, *C. R. Math. Acad. Sci. Paris. Ser. I*, **349**(2011), 1031-1035 (with J. Wang and W. Y. Qiu).
125. Global Asymptotics of the Meixner Polynomials, *Asymptot. Anal.*, **75**(2011), 211-231 (with X. S. Wang).
126. Asymptotics of Orthogonal Polynomials via Recurrence Relations, *Anal. Appl.*, **10**(2012), 215-235 (with X. S. Wang).

127. Uniform Asymptotic Expansions for the Discrete Chebyshev Polynomials, *Stud. Appl. Math.*, **128**(2012), 337-384 (with J. H. Pan).
128. Uniform Treatment of Darboux's Method and the Heisenberg Polynomials, *Proc. Amer. Math. Soc.*, **141**(2013), 2683-2691 (with S. Y. Liu and Y. Q. Zhao).
129. Global Asymptotics of the Discrete Chebyshev Polynomials, *Asymptot. Anal.*, **82**(2013), 39-64 (with Y. Lin).
130. Global Asymptotics of the Hahn Polynomials, *Anal. Appl.*, **11**(2013), 1350018 (47 pages) (with Y. Lin).
131. Global Asymptotics for Meixner-Pollaczek Polynomials with a Varying Parameter, *Stud. Appl. Math.*, **130**(2013), 345-392 (with J. Wang and W. Y. Qiu).
132. Global Asymptotics of Stieltjes-Wigert Polynomials, *Anal. Appl.*, **11**(2013), 1350028(12 pages) (with Y. T. Li).
133. Asymptotics of the Discrete Chebyshev Polynomials, *Stud. Appl. Math.*, **132**(2014), 13-49 (with J. H. Pan).
134. Asymptotic Expansion of the Tricomi-Carlitz Polynomials and Their Zeros, *J. Comput. Appl. Math.*, **265**(2014), 220-242 (with K. F. Lee).
135. A Novel Generalized Solution Expansion for the Lagerstrom Model, *Asymptot. Anal.*, **88**(2014), 111-123 (with C. H. Ou).
136. Asymptotics of Linear Recurrences, *Anal. Appl.*, **12**(2014), 463-484.
137. In Memoriam Frank W. J. Olver (1924 – 2013), *Anal. Appl.*, **12**(2014), xi-xxvi.
138. Asymptotic Expansion of the Modified Lommel Polynomials $h_{n,\nu}(x)$ and Their Zeros, *Proc. Amer. Math. Soc.*, **142**(2014), 3953-3964 (with K. F. Lee).
139. Global asymptotics of the Szegő-Askey polynomials, *Anal. Appl.*, **12**(2014), 727-746 (with Y. Lin).
140. 浅谈渐近分析, 《中国科学: 数学》, **45**(2015), 1363-1382.
141. Asymptotics of Racah polynomials with varying parameters, *J. Math. Anal. Appl.*, **436**(2016), 1149-1164 (with X. S. Wang).
142. Special functions, integral equations and Riemann-Hilbert problem, *Proc. Amer. Math. Soc.* **144** (2016), 4367-4380 (With Y. Q. Zhao).
143. Asymptotics of Pseudo-Jacobi Polynomials with Varying Parameters, *Stud. Appl. Math.*, **139** (2017), 179–217 (with Z. Song).

144. Asymptotics of Racah polynomials with fixed parameters, *Proc. Amer. Math. Soc.*, **146** (2018), 1083-1096 (with X. S. Wang).
145. Asymptotics of orthogonal polynomials, *Int. J. Numer. Anal. Mod.*, **15** (2018), 193-212.
146. Global Asymptotics of Orthogonal Polynomials Associated with a Generalized Freud Weight, *Chinese Ann. Math. Series B*, **39** (2018), 553-596 (with Z-T Wen and S-X Xu).
147. Asymptotics of the Associated Pollaczek Polynomials, *Proc. Amer. Math. Soc.*, **147** (2019), 2583–2597 (with Min-Jie Luo).
148. Uniform asymptotics and zeros of the associated Pollaczek polynomials, *Stud. Appl. Math.*, 2020, 1-22 (with X. M. Huang).
149. Asymptotics of the Wilson Polynomials, *Anal. Appl.*, **18** (2020), 237-270 (with Yu-Tian Li, Xiang-Sheng Wang).
150. Asymptotic Expansions for Wiener-Hopf equations, *Anal. Appl.*, (accepted on Nov. 9, 2020).

INVITED PAPERS IN CONFERENCE PROCEEDINGS

151. *Applications of Some Recent Results in Asymptotic Expansion*, Proceedings of the 12th Manitoba Conference on Numerical Mathematics and Computing, *Congressus Numerantium*, **37**(1983), 145-182.
152. *The Lebesgue Constants for Jacobi Series*, *Rend. Semin. Mat. Univ. Politec. Torino, Fasc. spec.*, "Special Functions: Theory and Computation", 1985, 117-148 (with C. L. Frenzen).
153. *Some Recent Results in Uniform Asymptotic Expansions of Special Functions*, *IMACS Annals - Numerical and Applied Mathematics, Part II* (Paris, 1988), 473-477.
154. *On a Singular Perturbation Problem*, *International Series of Numerical Mathematics, Vol.119*, 477-484, Birkhäuser, Boston, 1994 (with K. C. Ng).
155. *Error Bounds for Asymptotic Approximations of Special Functions*, *Annals of Numerical Mathematics*, **2**(1995), 181-197.
156. *Some Unsolved Problems in Asymptotics*, *Recent Advances in Differential Equations*, H. H. Dai and P. L. Sachdev (eds.), *Pitman Research Notes in Mathematics Series*, Addison Wesley Longman, 15-34, 1998.
157. *Orthogonal Polynomials and Their Asymptotic Behavior*, Proceedings of the International Workshop on Special Functions, C. Dunkl, M. Ismail and R. Wong (eds.), *World Scientific*, 409-422, 2000.

158. *Uniform Asymptotic Expansions*, Special Functions 2000: Current Perspective and Future Directions, J. Bustoz *et al.* (eds.), NATO Science Series II, Vol. **30**, 489-503, Kluwer, 2001.
159. *Exponential Asymptotics*, Special Functions 2000: Current Perspective and Future Directions, J. Bustoz *et al.* (eds.), NATO Science Series II, Vol. **30**, 505-518, Kluwer, 2001.
160. *A Panoramic View of Asymptotics*, Foundations of Computational Mathematics, Hong Kong 2008, Felipe Cucker, Allan Pinkus and Michael J. Todd (eds.), London Mathematical Society Lecture Note Series 363, Cambridge, 190-235, 2009.
161. *Asymptotics of the Meijer G -functions*, in Modern Trends in Constructive Function Theory, Contemporary Mathematics, Vol. **661**, Amer. Math. Soc., Providence, RI, 243-251, 2016 (with Y. Lin).
162. *Asymptotics of Generalized Hypergeometric Functions*, “Frontiers in Orthogonal Polynomials and q-Series”, Contemporary Mathematics and Its Applications: Monographs, Expositions and Lecture Notes, Vol **1**, World Scientific, Singapore, 497-521, 2018 (with Y. Lin).

BOOK CHAPTERS

- R. Wong, Five Lectures on Asymptotic Theory, *Differential Equations and Asymptotic Theory in Mathematical Physics*, 189-262, World Scientific, 2004.
- R. Wong (with R. Roy, F. W. J. Olver, R. A. Askey), Algebraic and Analytic Methods; *NIST Handbook of Mathematical Functions*, 1-39, Cambridge University Press, 2010.
- R. Wong (with F. W. J. Olver), Asymptotic Approximations; *NIST Handbook of Mathematical Functions*, 41-70, Cambridge University Press, 2010.
- R. Wong (with T. H. Koornwinder, R. Koekoek, R. F. Swarttouw), Orthogonal Polynomials; *NIST Handbook of Mathematical Functions*, 435-484, Cambridge University Press, 2010.

BOOKS (authored or edited)

- R. Wong, *Asymptotic Approximations of Integrals*, Academic Press, Boston, 1989. (Reprinted by SIAM, Philadelphia, PA, 2001).
- R. Wong, *Lecture Notes on Applied Analysis*, World Scientific, 2010.
- R. Wong (with R. Beals), *Special Functions: A Graduate Text*, Cambridge University Press, 2010.
- R. Wong (with R. Beals), *Special Functions and Orthogonal Polynomials*, Cambridge University Press, 2016.

- R. Wong (with R. Beals), *Explorations in Complex Functions*, Springer, 2020.
- D. Dai, H.- H. Dai, T. Yang and D. X. Zhou (Editors), *The Selected Works of Roderick S.C. Wong*, World Scientific, 2015.
- R. Wong (Editor), *Asymptotic and Computational Analysis*, Marcel Dekker, New York, 1990.
- R. Wong (Editor), *Selected Papers of F. W. J. Olver*, World Scientific, Singapore, 2000.
- R. Wong (Editor, with F. Cucker), *The Collected Papers of Stephen Smale*, World Scientific, Singapore, 2000.
- R. Wong (Editor, with C. Dunkl and M. Ismail), *Special Functions*, World Scientific, Singapore, 2000.
- R. Wong (Editor, with H. Chen), *Differential Equations and Asymptotic Theory in Mathematical Physics*, World Scientific, Singapore, 2004.

BOOK REVIEWS

Mathematical Methods for Wave Phenomena by Norman Bleistein, American Scientist, vol. **73**, September issue, 1985, p. 491.

Special Functions: An Introduction to the Classical Functions of Mathematical Physics by Nico Temme. The Mathematical Intelligencer, vol. **19**, No. 3, 1997, 75-76.