February 22, 2022

CURRICULUM VITAE

LEONARD P. BOS

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Università di Verona
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Degrees

Ph.D.	(Mathematics)	1981	University of Toronto
M.Sc.	(Computer Science)	1977	University of Toronto
B.Sc.	(Mathematics & Computer Science)	1976	University of Toronto

Positions Held

- Lecturer - Department of Mathematics, University of Toronto. 1978-1982.
- Assistant Professor - Department of Mathematics and Statistics, University of Calgary. 1982-1987
- Associate Professor - Department of Mathematics and Statistics, University of Calgary. 1987-1995
- Professor, Department of Mathematics and Statistics, University of Calgary, 1995-2009.
- Visiting Professor, University of Auckland, New Zealand, July-December, 1995.

- Visiting Member, Fields Institute, Toronto, January-June, 1997.
- Visiting Professor, Università di Udine, Italy, May 1998.
- DAAD Visiting Scholar, University of Giessen, Germany, July 2000.
- Professeur Visité, Université de Toulouse, May 15 – June 15, 2007.
- Chairman, Applied Mathematics Division, Department of Mathematics and Statistics, University of Calgary, July 1, 2001 – June 30, 2003. July 1, 2005 – June 30, 2007.
- Acting Chairman, Applied Mathematics Division, Department of Mathematics and Statistics, University of Calgary, July 1, 2008 – December 31, 2008.
- Professore Ordinario, Facoltà di Scienze, Università di Verona, Italy, July 15, 2009 –.
- Vice-Chairman, Department of Computer Science, University of Verona, Oct. 1, 2012 – Sept. 30, 2018.

Awards/Grants

- NSERC of Canada Post-Graduate Scholarship. 1976-1981.
- NSERC of Canada Research Operating Grant. 1983 - present.
- Short-term Mobility Grant, Consiglio Nazionale della Ricerca, Italy, May 2000, Università di Padova, Italia.
- Study Visit Grant from the German DAAD, Giessen Germany, July 2000.
- University of Calgary Students' Union Teaching Excellence Award, Faculty of Science. 1991 - 1992.
- University of Calgary Engineering Students' Society Teaching Excellence Award, 1^{st} year. 1991 - 1992.
- University of Calgary Engineering Students' Society Teaching Excellence Award, 1^{st} year. 1992 - 1993.

- University of Calgary Engineering Students' Society Teaching Excellence Award, 1^{st} year. 1993 - 1994.
- University of Calgary Engineering Students' Society Teaching Excellence Award, 1^{st} year. 1994 - 1995.
- University of Calgary, Faculty of Science Award of Excellence in Teaching. 1995.
- University of Calgary Students' Union Teaching Excellence Award, Faculty of Science, Honourable Mention, 1998.
- University of Calgary Engineering Students' Society Teaching Excellence Award, 1^{st} year, 1998 - 1999.
- University of Calgary Engineering Students' Society Teaching Excellence Award, 1^{st} year, 1999 - 2000.
- University of Calgary Students' Union Teaching Excellence Award, Faculty of Science, Honourable Mention, 1999 - 2000.
- University of Calgary Engineering Students' Society Teaching Excellence Award, 1^{st} year, 2000 - 2001.
- University of Calgary Engineering Students' Society Teaching Excellence Award, 1^{st} year, 2002 - 2003.

Supervisory Experience

- NSERC Summer Undergraduate Research Fellowship student, 1983, 1984, 1989.
- Master's Students in Numerical Analysis and Approximation Theory:
  - M. Paolucci – Multivariate Polyhedral Splines and Spaces. 1986.
  - J. Braun – Topics in the Numerical Solution of Optimal Control Problems. 1987.
  - J. Grabenstetter – Finite Element Interpolation. 1988.
  - I. Lagu – Multivariate Jackson Theorems. 1990.

  - A. Salkauskas – Interpolation on Contours. 1994.
  - C. Bica – Interpolatory Subdivision Schemes. 1996.
  - B. Campbell – Wavelet Projection Methods for Differential Equations. 1999.
  - P. Wong – Neamtu's Generalization of Multivaraite B-Splines, 2005.

- Master's Students in Financial Mathematics:
  - L. Xiong – Stochastic Models for Electricity Prices in Alberta, 2004.
  - A. Pratt – Gaussian State Space Models, 2008.

- PhD Students in Approximation Theory:
  - D. Holland – Generalized Minimum Norm Networks, 1994.
  - I. Lagu – Interpolation on Algebraic Hypersurfaces, 1996.

- PhD Students in Financial Mathematics:
  - G. Orosi – Applications of Splines to S&P 500 Index Options, 2009.

- Undergraduate Thesis Students (Verona):
  - A. Campedelli – Using Binary Trees to Compute European Lookback Options, July, 2011.
  - F. Graziano – Studio Numerico sulle Equazioni di Schaefer e Schwartz per la Valutazione di Bond a Scadenza, July, 2011.
  - C. Rolli – Studio delle Reti Neurali utilizzando le Radial Basis Function, October, 2011.
  - M. Cracco – Calcolo Numerico per la Valutazione delle Opzioni Asiatiche, December, 2011.
  - F. Sivero – Metodi numerici per il calcolo del valore di un'opzione lookback put americana, July, 2012.
  - P. Terrini – The use of the FFT for the calculation of option values, July, 2012.

– A. Finardi – Metodi numerici numerici per il prezzamento di opzioni con barriera, October, 2012.

– G. Plachesi, Option pricing algorithms for the Merton jump-diffusion model, December, 2012.

– L. Prezioso, Metodi Monte Carlo e Quasi Monte Carlo per la valutazione di opzioni multidimensionali, July, 2013.

– M. Accordini, Opzioni Asiatiche: Algoritmi Risolutivi a Confronto, October, 2013.

– F. Polato, On Cubic Minimum Norm Networks for Bivariate Interpolation, October, 2013.

– G. Zuccotti, Analisi Numerica per la Valutazione di Opzioni Europee con in Miodello a Volatilità Stocastica di Heston, October, 2013.

– F. Gugole, Metodi Numerici per l'Ottimizzazione con un'Applicazione al Mercato Elettrico, March, 2014.

– S. Lavagnini, Calibrazione di Modelli Matematici per la Finanza, July, 2014.

– F. Bellesini, Superfici di suddivisione di Catmull-Clark, November, 2014.

– G. Fiandaca, Analisi di alcuni modelli matematici per l'oncologia, November, 2014.

– V. Mazzi, Modelli matematici per l'oncologia con aspetti stocastici, November, 2014.

– E. Cittadino, Il modello CEV per la volatilità in finanza, luglio, 2015.

– F. Mela, Predire la dinamica smile della volatilità: Il modello SABR, ottobre, 2015.

– M. Venturini, Modelli matematici per la valutazione di opzioni Europee, marzo, 2016.

– S. Barbieri, Ottimazzazione numerica del portafoglio, marzo, 2016.

– E. Frison, Sottodivisione di curve e superfici spline, con medie di punti, luglio, 2016.

– S. Roin, I derivati sul tempo atmosferico, novembre, 2016.

- S. Omodei, Modelli matematici per l'oncologia, novembre, 2016.
- J. Bognoli, Analisi di un metodo agli elementi finiti per la PDE di Black-Scholes, 2016.
- F. Mondin, Analisi del modello SABR con tasso d'interesse negativo, November, 2017.
- G. Turatta, La soluzione numerica della PIDE per il prezzo di un'opzione nell modello Merton, November, 2017.
- M. Pra', Il filtro di Kalman con applicazioni in finanza, November, 2017.

• Laurea Magistrale Thesis Students:

- S. Mazzi – On Nozzle Flow Systems, October, 2011.
- C. Pietropoli – Pricing Options for the Merton Jump-Diffusion Model, February, 2013.
- R. Spiazzi, Distance Measures for Multi-modal Image Registration: a Combined Approach, March, 2014.
- G. Arfieri, Numerical Aspects of Energy Option Pricing, March, 2016.
- G. Zuccotti, The Variance-Gamma Model for Option Pricing: Pricing Methods and Calibration to Real Data, March, 2016.
- C. Colonna, Multivariate B-Splines with Applications, March, 2016.
- F. Polato, Kriging, multivariate interpolation and parameter estimation, July, 2016.
- E. Cittadino, Swing options pricing problem: analysis of numerical techniques and application to energy markets, July, 2017.
- F. Mela, An approach to the forecasting of chaotic time series: Wavelets Recurrent Neural Networks, July, 2017.
- D. Marchi, October, 2017.

Scholarly Addresses

1. L. Bos, "Bounding the Lebesgue Function for Lagrange Interpolation in Several Variables", SIAM National Meeting, Troy, N.Y., 1981.

2. L. Bos and T. Bloom, "On the Convergence of Kergin Interpolants of Analytic Functions", 4^{th} Texas Symposium on Approximation Theory, College Station, Texas, January 1983.

3. L. Bos and K. Salkauskas, "Weighted C^2 Splines for Interactive Interpolation", Special session on CAGD, Joint Meeting of AMS and MAA, Salt Lake City, April 1983.

4. L. Bos and K. Salkauskas, "Splines, Kriging and positive Definite Functions", University of Calgary Mathematics Department Seminar in Analytical/Applied/Numerical Topics, January 1984.

5. L. Bos and K. Salkauskas, "On the Definiteness Properties of Matrices of the Form $\left[|x_i - x_j|^\lambda\right]$", SIAM Summer Meeting, Seattle, July 1984.

6. L. Bos, P. Lancaster and K. Salkauskas, "Some Remarks on the Representation of Splines as Boolean Sums", Dundee Biennial Conference on Numerical Analysis, Dundee, Scotland, June 25-28, 1985.

7. L. Bos, "On Lagrange Interpolation at Points in a Ball", Fifth Texas Symposium on Approximation Theory, College Station, Texas, January 12-18, 1986.

8. L. Bos, "Extension of C^∞ functions on sets with Cusps", Analytic Geometry Seminar, University of Toronto, November 1988.

9. L. Bos, "On the Fejer Problem for Lagrange Interpolation", Analysis Seminar, University of Michigan, April 1989.

10. L. Bos, "On Markov's Inequality in $\mathbb{R}^n$", Oberwolfach, July 1989.

11. L. Bos, "Fitting a Surface to Scattered Data", Undergraduate Colloquium, Wellesley College, Boston, October 1989.

12. L. Bos, "Some Problems in Analysis on Sets with Cusps", Analysis Seminar, Indiana University, April 1990.

13. L. Bos, "Some Problems in Analysis on Sets with Cusps", Analysis Seminar, University of Toronto, May 1990.

14. L. Bos, "Weighted Minimum Norm Networks", MiniSymposium on Variational Design, Tempe AZ, November 1993.

15. L. Bos, "Tangential Markov Inequalities Characterize Algebraic Submanifolds of $\mathbb{R}^n$", Special Session Approximation and Pluripotential Theory", CMS Winter Meeting, December 1993.

16. L. Bos, "Sobolev-Gagliardo-Nirenberg and Markov Type Inequalities on Subanalytic Sets", Special Session on Multivariate Approximation Theory, CMS Summer Meeting, June 1994.

17. L. Bos, "Multivariate Markov Type Inequalities", International Conference on Multivariate Approximation, University of Dortmund, September 1994.

18. L. Bos, "Markov and Sobolev Type Inequalities on sets with (non)Polynomial Cusps", Theorie de l'Approximation et Polynômes Orthogonaux, Toulouse, France, March 1995.

19. L. Bos, 1996 Seminars: Universities of Toronto, Western Ontario, Michigan, Auckland, Toulouse, Amsterdam, Dortmund, Duisburg.

20. L. Bos, 1997 Seminars: Fields Institute, Universities of Toronto, Udine, Auckland, Tel Aviv.

21. L. Bos, 1998 Seminars: Universities of Udine and Auckland.

22. L. Bos, 1999 Seminars: Universities of Winnipeg, Udine, Padova, Dortmund and Auckland.

23. L. Bos, 2000 Seminars: Universities of Padova, Giessen and Auckland. Invited speaker: International Conference on Multivariate Approximation, Dortmund, Germany, Sept. 2000. Invited Session speaker, CMS winter meeting, Vancouver, Dec. 2000.

24. L. Bos, 2001 Seminars: Colloquium, Carleton U. Jan. 2001.

25. L. Bos, 2002 Seminars: Universities of Padova and Verona, Canadian Applied and Industrial Mathematics (CAIMS) annual meeting, Calgary, June 2002. Invited Speaker: International Conference on Surface Approximation and Visualization II, Westport New Zealand, February

2002. Canadian Undergraduate Mathematics Congress (CUMC), Calgary, July 2002. PIMS Lunchbox lecture on "Fitting Surfaces to Data", Calgary, September, 2002.

26. L. Bos, 2003 Seminars: University of Verona. Colloquium, Department of Mathematics, University of Hawaii.

27. L. Bos, 2004 Seminars: Joint meeting of Israeli and New Zealand Math. Societies, Wellington, New Zealand, February 2004. University of Verona.

28. L. Bos, 2005 Seminars: Invited speaker, "Approximation and Harmonic Analysis" conference, Auckland, New Zealand, Feb., 2005. Complex Analysis seminar, Department of Mathematics, Indiana University, Feb. 2005 and also May, 2005. "Natural Sciences Symposium", University of Calgary, March 8, 2005. Invited Complex Variables session speaker, CMS Summer meeting, June 2005. Deparment of Computer Science, University of Verona, Italy, June, 2005. Invited (2 hour) speaker, 4th Summer School on Potential Theory, Debrecen, Hungary, July 4 – 10, 2005.

29. L. Bos, 2006 Seminars: Invited Speaker, "First Dolomites Workshop on Constructive Approximation", Canazei, Italy, September 8 – 12. North-South Meeting, Mt. Royal College, May. PIMS Lunchbox Lecture, September 21.

30. L. Bos, 2007 Seminars: Complex Analysis Seminar, Indiana University, April 26, 2007 and October 10, 2007. Colloquium, Indiana University, October 19, 2007. Seminar, University of Auckland, November, 2007.

31. L. Bos, 2010 Seminars: Invited Speaker (40 mins.), AMS Regional Meeting, Lexington, Kentucky, March, 2010.

32. L. Bos, 2011 Seminars: Invited Speaker, Conference on Several Complex Variables, Krakow, July 4 – 8, 2011.

33. L. Bos, 2012 Seminars: Invited Speaker, Conference in honour of J.P. Berrut, Fribourg, Switzerland, Oct. 5, 2012.

34. L. Bos, 2013 Seminars: Invited Session Speaker, Erdös Centennial Conference, July 1 – 5, 2013, Budapest. Invited Lecturer (three 1.5 hour

lectures), summer school "Metric and Variational Structures in Singular Varieties", Chambéry, France, Sept. 23 – 27, 2013. Seminar, Department of Mathematics, University of Calabria, Cosenza, Nov. 5, 2013.

35. L. Bos, 2014 Seminars: Invited Speaker, Constructive Approximation of Functions, June 29 – July 5, 2014, Bedlewo, Poland.

36. L. Bos, 2015 Seminars: Analysis Seminar, Indiana University, Feb. 19, 2015. Invited Speaker, Advances in Numerical Analysis and Applications, University of Torino, March 30–31, 2015. Invited Speaker, New Trends in Numerical Analysis, Falerna (CZ), June 18 – 21, 2015. Invited Speaker, Dolomites Research Week on Approximation, Sept. 5 – 8, 2015, Canazei, Italy.

37. L. Bos, 2016 Seminars: Dolomites Workshop on Constructive Approximation, Sept. 8 – 13, 2016, Canazei, Italy. MAIA 2016, Sept. 19 – 23, CIRM, Luminy, France. Chebyshev Day, Oxford, Nov. 14, 2016. Numerical Analysis Seminar, U. of Oxford, Nov. 15, 2016.

38. L. Bos, 2017 Seminars: Colloquium, Department of Mathematics, University of Auckland, Feb. 23, 2017.

39. L. Bos, 2018, Seminars: Invited Speaker, Tight Frames and Approximation, Taipa, New Zealand, Feb. 20 – 23, 2018. Maths Bites Colloquium, University of Trento, May 24, 2018. Randomness in Complex Geometry and Complex Analysis, Izmir, Turkey, June 3 – June 8 (3 lectures). Twentieth Anniversary of Matematicamente, invited speaker, Nov. 24, 2018.

40. L. Bos, 2019 Seminars. MAIA2019, Erwin Schroedinger Institute, Vienna, Aug. 26 – Aug. 30, 2019, Invited speaker.

Committees/Service

1. Department of Mathematics and Statistics, Computer Committee, 1983-2000.

2. Department of Mathematics and Statistics, Applied Mathematics Divisional Curriculum Committee, 1983-1987.

3. Faculty of Science, Computer Committee, December 1985-1987.
4. Department of Mathematics and Statistics, Applied Mathematics Divisional Research Committee, 1990-1993.
5. Department of Mathematics and Statistics, departmental Executuve Committee, 2000 – 2003.
6. Department of Mathematics and Statistics, hiring Committee, 2000.
7. Faculty of Science executive committee, Fall 2000 – 2002.
8. Department of Mathematics and Statistics, hiring Committee, 2001.
9. Department of Mechanical Engineering, hiring Committee, 2000.
10. Department of Computer Science Hiring Committee, 2001–2002.
11. Department of Computer Science Hiring Committee, 2002–2003, 2005.
12. Chairman, Commissione Sviluppo Attività Esterne (Personnel Committee), Faculty of Sciences MM.FF.NN, University of Verona, 2009 – 2012.

Teaching Experience

- First and Second year undergraduate Calculus courses
- First year undergraduate honours courses
- A first year Probability course.
- Third and fourth year honours Numerical Analysis
- Graduate course in Numerical Linear Algebra
- Graduate course in Splines
- Graduate course in Functional Analysis
- Graduate Course in Wavelets
- Mathematical Finance
- High School enrichment classes

Papers in Refereed Journals and Books.

1. Bos, L., *On Kergin Interpolation in the Disk,* J. of Approx. Theory, Vol. **37**, No.3(1983), 251–261.

2. Bos, L., *Bounding the Lebesgue Function for Lagrange Interpolation in a Simplex,* J. of Approx. Theory, Vol. **38,** No.1(1983), 43–59.

3. Galler, B. and Bos, L., *A Model for Transaction Blocking in Data Bases,* Performance Evaluation, **3**(1983), 95–122.

4. Bos, L. and Torrence, R.J., *Comment on the Liouville Equation and Multisolitons,* Physics Letters, Vol. **111A**, No.3(1985), 95–96.

5. Gotay, M.J. and Bos, L., *Singular Angular Momentum Mappings,* J. Diff. Geometry, **24**(1986), 181–203.

6. Bos, L. and Salkauskas, K., *On the Matrix* $\left[|x_i - x_j|^3\right]$ *and the Cubic Spline Continuity Equations*, J. of Approx. Theory, **51**(1987), 81–88.

7. Bos, L. and Salkauskas, K., *Comment on the Representation of Splines as Boolean Sums,* J. Approx. Theory, **53**(1988), 155–162.

8. Bos, L., *On a Characteristic of Points in* $\mathbb{R}^2$ *having a Lebesgue Function of Polynomial Growth,* J. of Approx. Theory, **56**(1989), 316–329.

9. Bos, L. and Salkauskas, K., *Moving Least Squares are Backus-Gilbert Optimal,* J. of Approx. Theory, **59**(1989), 267–275.

10. Bos, L., *Some Remarks on the Fejer Problem for Lagrange Interpolation in Several Variables,* J. of Approx. Theory, **60**(1990), 133–140.

11. Bos, L., Grabenstetter, J. and Salkauskas, K., *Finite Element Interpolation with Weighted Smoothing,* Monografias de la Academia de Ciencias de Zaragoza, (1990), No.**2**, 17–23.

12. Salkauskas, K. and Bos, L., *Weighted Splines as Optimal Interpolants,* Rocky Mtn. J. Math., Vol.**22**, No.**2**(1992), 705–717.

13. Bloom, T., Bos, L., Christensen, C. and Levenberg, N., *Polynomial Interpolation of Holomorphic Functions in* $\mathbb{C}$ *and* $\mathbb{C}^n$, Rocky Mtn. J. Math., Vol. **22**, No.**2**(1992), 441–470.

14. Bos, L., *On Certain Configurations of Points in $\mathbb{R}^n$ which are Unisolvent for Polynomial Interpolation*, J. of Approx. Theory, Vol. **64**, No.**3**(1991), 271–280.

15. Bos, L. and Salkauskas, K., *Weighted Splines Based on Piecewise Polynomial Weight Functions*, in Curve and Surface Design, H. Hagen (Ed.), SIAM, (1992), 87–98.

16. Bos, L. and Salkauskas, K., *Limits of Weighted Splines Based on Piecewise Constant Weight Functions*, Rocky Mtn. J. Math., Vol.**23**, No.**2** (1993), 483–493.

17. Bos, L. and Milman, P., *On Markov and Sobolev Type Inequalities on Sets in $\mathbb{R}^n$*, in Topics in Polynomials of One and Several Variables and Their Applications, T.H. Rassias et al. eds., World Scientific, (1993), 81–100.

18. Bos, L., *Asymptotics for the Christoffel Function for Jacobi Like Weights on a Ball in $\mathbb{R}^n$*, New Zealand J. of Math., Vol. **23**(1994), 99–109.

19. Bos, L., Grabenstetter, J. and Salkauskas, K., *Pseudo-Tensor Product Interpolation and Blending with Families of Univariate Schemes*, Computer Aided Geom. Design, **13**(1996), 429–440.

20. Bos, L., Levenberg, N. and Taylor, B.A., *Characterization of Smooth, Compact Algebraic Curves in $\mathbb{R}^2$*, Banach Centre Publications, Vol. **31**(1995), 125–134.

21. Bagby, T., Bos, L. and Levenberg, N., *Quantitative Approximation Theorems for Elliptic Operators*, J. Approx. Theory, Vol. **85**, No. 1(1996), 69–87.

22. Bos, L., Levenberg, N., Milman, P., and Taylor, B.A., *Tangential Markov Inequalities Characterize Algebraic Submanifolds of $\mathbb{R}^n$*, Indiana J. of Math., Vol. **44**, No. 1(1995), 115–138.

23. Bos, L., and Milman, P., *Sobolev-Gagliardo-Nirenberg and Markov Type Inequalities on Subanalytic Domains*, Geometric and Functional Analysis, Vol. **5**, No. 6(1995), 853–923.

24. Bos, L. and Holland, D., *Network Splines*, Results in Mathematics, **30**(1996), No. 3-4, 228–258.

25. Bos, L., and Calvi, J.-P., *Kergin Interpolants at the Roots of Unity Approximate C^2 Functions*, J. d'Analyse Mathématique, Vol. 72 (1997), 203–221.

26. Bos, L. and Holland, D., *Radial Extension of Vertex Data*, CRM Proceedings and Lecture Notes, Vol. 18 (1999), 5–14.

27. Yatchew, A. and Bos, L., *Nonparametric Least Squares Regression and Testing in Economic Models*, Journal of Quantitative Economics, Vol. 13, No. 2 (1997), 81 – 131.

28. Bos, L. and Pavlov, B., *Absolute Continuity of Convolutions of Singular Measures and New Branches of Spectrum of Liovillians and Few-body Hamiltonians*, in *Generalized Functions, Operator Theory and Dynamical Sytems*, eds. I. Antoniou and G. Lumer, Chapman and Hall/CRC Research Notes in Math. No. 399, 308–321.

29. Korevaar, J. and Bos, L., *Characterization of Algebraic Sets by Chebyshev Quadrature*, J. d'Analyse Math., Vol. 75 (1998), 233–246.

30. Bos, L. and De Marchi, S., *Limiting Values Under Scaling of the Lebesgue Function for Polynomial Interpolation on Spheres*, J. Approx. Theory 96 (1999), 366–377.

31. Bos, L., Levenberg, N., Milman, P. and Taylor, B.A., *Tangential Markov Inequalities on Real Algebraic Varieties*, Indiana J. Math., Vol. 47, No. 4 (1998), 1257–1272.

32. Bos, L. and DeMarchi, S., *Fekete Points for Bivariate Polynomials Restricted to $y = x^m$*, East J. Approx., Vol. 6, No. 2 (2000), 189–2000.

33. Bos, L. and Ware, A.F., *How to Solve Multi-Asset Black-Scholes with Time Dependent Volatility and Correlation*, J. Computational Finance, Vol. 4, No. 2 (2001), 99–107.

34. Bos, L., Taylor, M.A. and Wingate, B.A., *Tensor Product Gauss-Lobatto Points are Fekete Points for the Cube*, Maths. Comp. 70 (2001), 1543–1547.

35. Bos, L., Calvi, J.-P. and Levenberg, N., *On the Siciak Extremal Function for Real Compact Convex Sets*, Arkiv Math., Vol. 39, No. 2 (2001), 245–262.

36. Bagby, T., Bos, L. and Levenberg, N., *Multivariate Simultaneous Approximation*, Constr. Approx. 18 (2002), 569–577.

37. Bos, L., Pavlov, B.S. and Ware A.F., *On a semi-spectral method for pricing an option on a mean-reverting asset*, Quantitative Finance, Volume 2 (2002), 337–345.

38. Bos, L. and Maier, U., *On the asymptotics of Fekete-type points for univariate radial basis functions*, J. of Approx. Theory, Vol. 119, No. 2 (2002), 252–270.

39. Bos, L., Brudnyi, Levenberg, N. and Totik, V., *Tangential Markov inequalities on transcendental curves*, Constructive Approx. 19 (2003), 339–354.

40. Bos, L., Gibson, P., Kotchetov, M. and Slawinski, M., *Classes of anisotropic media: a tutorial*, Stud. Geophys. Geod. 48 (2004), 256–287.

41. Bos, L., Caliari, M., De Marchi, S. and Vianello, M., *A numerical study of the Xu polynomial interpolation formula in two variables*, Computing 76, 311–324 (2006).

42. Bos, L. and Milman, P., *Tangential Markov inequalities on singular varieties*, Indiana Math. Journal, Vol. 55, No. 1, 65 – 73 (2006).

43. Bos, L., Caliari, M., De Marchi, S. and Vianello, M., *Bivariate interpolation at Xu points: results, extensions and applications*, ETNA Vol 25, p. 1-16 (2006).

44. Bos, L., De Marchi, S. and Vianello, M., *On the Lebesgue constant for the Xu interpolation formula*, J. Approx. Theory, 141 (2006), 134 – 141.

45. Bos, L., Caliari, M., De Marchi, S, Vianello, M. and Xu, Y., *Bivariate Lagrange interpolation at the Padua points: the generating curve approach*, J. Approx. Theory 143 (2006), 15 – 25.

46. Taylor, M., Wingate, B. and Bos, L., *A cardinal function algorithm for computing multivariate quadrature points*, SIAM J. of Numer. Analysis., Vol. 45, No. 1 (2007), 193–205.

47. Bos, L. and Waldron, S., *Some remarks on Heisenberg frames and sets of equiangular lines*, New Zealand J. of Math., Vol. 36 (2007), 113 – 137.

48. Bos, L., De Marchi, S., Vianello, M. and Xu, Y., *Bivariate Lagrange interpolation at the Padua points: the ideal theory approach*, Numer. Math., 108(1) (2007), 43–57.

49. Bos, L. and Calvi, J.-P., *Multipoint Taylor Interpolation*, Calcolo 45 (2008), 35 – 51.

50. Bos, L. and De Marchi, S., *Univariate radial basis functions with compact support cardinal functions*, East J. Approx., Vol. 14 (1) (2008), 69 – 80.

51. Bos, L., Levenberg, N. and Waldron, S., *On the Spacing of Fekete Points for a Sphere, Ball or Simplex*, Indaga. Mathem., N.S., 19 (2) (2008), 163 – 176.

52. Bos, L. and Levenberg, N., *On the Calculuation of Approximate Fekete Points: the Univariate Case*, Elec. Trans. Numer. Anal., Vol. 30 (2008), 377 – 397.

53. Bos, L. and Calvi, J.-P., *Taylorian points of an algebraic curve and bivariate Hermite interpolation*, Annali della Scuola Normale Superiore di Pisa, Classe di Scienze, Serie V, Vol. VII, Fasc. 3 (2008), 545 – 577.

54. Bos, L., Levenberg, N. and Waldron, S., *Pseudometrics, Distances and Multivariate Polynomial Inequalities*, J. of Approx. Theory, Vol. 153, Issue 1 (2008), 80 – 96.

55. Bos, L, De Marchi, S. and Waldron, S., *On the Vandermonde Determinant of Padua-like Points*, Open Problem Section, Dolomite Research Notes Electronic Journal, 2009.

56. Bos, L. and Slawinski, M., *Elastodynamic Equations: Characteristics, Wavefronts and Waves*, The Quarterly J. Mech. Appl. Math. 63(1) (2009), 23–37.

57. Bos, L., Brudnyi, A. and Levenberg, N., *On Polynomial Inequalities on Exponential Curves in* $\mathbb{C}^n$, Constructive Approximation, Vol. 31, Issue 1 (2010), 139–147.

58. Bloom, T., Bos, L., Levenberg, N, and Waldron, S., *On the Convergence of Optimal Measures*, Constructive Approximation, Vol. 32, No. 1 (2010), 159–179, doi:10.1007/S00365-009-9078-7.

59. Bos, L. and Vianello, M., *On simple approximations to simple curves*, Dolomites Research Notes on Approximation 3 (2010), 1 – 6.

60. Bos, L., Sommariva, A. and Vianello, M., *Least-squares polynomial approximation on weakly admissible meshes: disk and triangle*, J. Comput. Appl. Math., 235 (2010), 660–668.

61. Bos, L. and Slawinski, M., *Regions of Invalidity of Ray-centered Coordinates*, The Quarterly J. Mech. Appl. Math. (2010) 63(2): 227–236.

62. Bos, L., De Marchi, S., Sommariva, A. and Vianello, M., *Computing Multivariate Fekete and Leja Points by Numerical Linear Algebra*, SIAM J. Numer. Analysis 48 (2010), 1984–1999.

63. Bos, L., Calvi, J.-P., Levenberg, L., Sommariva, A. and Vianello, M., *Geometric Weakly Admissible Meshes, Discrete Least Squares Approximations and Approximate Fekete Points*, Math. Comp. 80 (2011), 1601–1621.

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