Department of Mathematics

Bharathidasan University

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P.S. Srinivasan

Employee Number:BDU 1720759

Associate Professor

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Academic Qualifications

1992–1994 M.Sc., Indian Institute of Technology, Bombay, Mumbai

1996–2002 **Ph.D.**, *Indian Institute of Technology, Madras*, Chennai

- O Thesis Title: On Best Proximity Pair Theorems and their Applications
- (Under the guidance of Prof. P.Veeramani)

2002–2005 Research Associate, University of Hyderabad, Hyderbad

o (Under the UGC-SAP Project headed by Prof. V.Kannan)

Teaching Experience: 17 Years

2019 onwards Associate Professor, Bharathidasan University, Tiruchirappallii

2005–2019 Assistant Professor, Bharathidasan University, Tiruchirappallii

2005 Lecturer, Anna University, Chennai, June 15 - October 10

Additional Responsibilities

Coordinator, Department of Mathematics,, P.G. Extension Center,,
 Bharathidasan University, Perambalur.

Research Experience: 20 Years

Areas of Research

- Fixed point theory
- Discrete Dynamical Systems

Research Supervision/Guidance:

Program of Study		Completed	Ongoing
Research	Ph.D.	2	2
	M.Phil.	24	1
Project	PG	64	10

Publications

International		National		Others	
	Journals	Conferences	Journals	Conferences	Books/Chapters
					Monographs/Manuals
	16	1	2	-	-

Cumulative Impact Factor (as per JCR)	:xxx
h index	:5
i10 index	:4
Total Citations	:954

Events organized in leading roles

Number of Seminars/Conferences/Workshops/Events organized: 2

- o Local Co-ordinator, Mathematics Training and Talent Search Programme, 2012.
- Local Co-ordinator, Advanced Training Camp in Mathematics, 2007.

Events Participated

- [1] Advanced Training in Mathematical Analysis, Department of Mathematics, Bharathidasan University, Oct 31 Nov 4, 2022.
- [2] UGC 101 Orientation Programme, Bharathidasan University, Tiruchirappalli, May 18 June 14, 2018.
- [3] Pedagogical Training for Mathematics Teachers, Tirupura University, Agartala, Dec 1-14, 2014.
- [4] Mathematics Training and Talent Search Programme, National Board For Higher Mathematics (NBHM), RIE, Mysore, May 23 June 18, 2011.
- [5] Mathematics Training and Talent Search Programme, National Board For Higher Mathematics (NBHM), RIE, Mysore, May 17 June 12, 2010.
- [6] Mathematics Training and Talent Search Programme, National Board For Higher Mathematics (NBHM), RIE, Mysore, May 18 June 13, 2009.

- [7] Mathematics Training and Talent Search Programme, National Board For Higher Mathematics (NBHM), RIE, Mysore, May 17 June 14, 2008.
- [8] Mathematics Training and Talent Search Programme, National Board For Higher Mathematics s(NBHM), ICT Mumbai, May 14 June 09, 2007.
- [9] Refresher Courses & Training Programmes, UGC-Academic Staff College, Khajamalai Campus, BharathidasanUniversity, Tiruchirappalli - 620 024, 21 days, Nov 11 - Dec 12, 2007.

Membership in

Professional Bodies:

Member: MTTS, Trust

Life Member: Ramanujam Mathematical Society

Board of Studies, Member

- Member Board of Studies in the Department
- Member Board of Studies in M S University, Tirunelveli
- Member Board of Studies in Vellalar College, Erode

Resource Person in Various Capacities

- [1] Compact Course on Real Analysis, Periyar University, 17 to 19 Oct, 2024
- [2] Fundamental of Analysis and its Application, Workshop, Sri Vijay Vidyalaya College of Arts and Science, Salem, 9th and 10th of August, 2024
- [3] Initiation into Mathematics (InitMath), V. O. Chidambaram College, Thoothukudi, 22-27 July, 2024.
- [4] Enrichment Program, University College, Thiruvananthapuram, 29th June to 2nd July, 2024.
- [5] Mathematics Training and Talent Search (MTTS), Sikkim Manipal Institute of Technology, Majitar, Sikkim, 27th May to 22nd June, 2024.
- [6] Role of Analysis in Mathematics, Bharathidasan University, P. G. Extension Centre, Perambalur, 28th March, 2024.
- [7] Pedagogical Training for Mathematics Teachers (PTMT), Ramakrishna Mission Vivekananda Centenary College, Rahara, Kolkata, 3rd to 8th March, 2024.
- [8] Initiation to Analysis, Nehru Memorial College, Trichy, 30th January, 2024.
- [9] A talk on Uniform Convergence, Urumu Dhanalakshmi College, Trichy, 29th January, 2024
- [10] Pedagogical Training for Mathematics Teachers (PTMT), Central University of Tamil Nadu, Thiruvarur, 11th to 16th December, 2023.

- [11] Recent Trends in Mathematics, Baby John Memoirial Government College, Chavara, Thiruvananthapuram, 29th November, 2023.
- [12] Two day training program (MTTS Overture), Sri GVG Visalakshi College for women, Udumalpet, 16th and 17th October, 2023
- [13] Two day training program(MTTS Overture), Ramakrishna Mission Vivekananda College, Mylapore, Chennai, 6tha nd 7th October, 2023.
- [14] Two day training program(MTTS Overture), Vellalar College for Women and Nandha Arts and Science College, Erode, 26th and 27th September, 2023.
- [15] Real Analysis and its Applications, Madurai Kamaraj University, Madurai, 24th August, 2023.
- [16] Online Foundation Course in Mathematics(OFCM), 20th August to 2nd September, 2023.
- [17] Mathematics Training and Talent Search Programme (MTTS), IIT Madras, 22nd May to 17th June, 2023.
- [18] Pedagogical Training for Mathematics Teachers (PTMT), Khalsa College, Punjab, 3rd to 8th April, 2023.
- [19] Initiation into Mathematics, Ayya Nadar Janaki Ammal College, Sivakasi, 6th to 11th March, 2023,
- [20] Uniform Convergence of Sequence and Series of Functions, Thiagarajar College, Madurai, 2nd March, 2023.
- [21] Foundations, Bharathidasan University, P. G. Extension Centre, Perambalur, 21st February, 2023.
- [22] Foundation of Mathematics, Vellalar College for Women, Erode, 15th February, 2023.
- [23] Analysis- An Elixir of Mathematics, Seethalakshmi Ramaswami College, Trichy, 19th January, 2023.
- [24] Online Foundation Course in Mathematics (OFCM), NBHM, Oct 17- Nov 5, 2022
- [25] Mathematics Training and Talent Search Programme (MTTS), IISER, Tiruvananthapuram, May 24 June 21, 2022.
- [26] State Level Seminar on Mathematical Analysis, KSR College of Arts and Science for Women, Tiruchengode, May 17, 2022.
- [27] Two-day State Level Workshop on Real Analysis, Ayya Nadar Janaki Ammal College, Sivakasi, May 18-19,2022.
- [28] First Outreach Program in Mathematics, Sri Vijay Vidyalaya College of Arts and Science College, Dharmapuri, April 21-22, 2022.
- [29] Online MTTS 2021, June 13 July 3, 2021.

- [30] National Workshop on Mathematical Analysis, Periyar University, Salem, Feb 25-26, 2021.
- [31] Online Follow up Courses For MTTS 2020 and OFCM participants on Real Number Systems and Sequences, NBHM, Feb 08 March 14, 2021.
- [32] UGC-Refresher Course in Mathematics and Statistics on The Role of LUB Axiom in Real Analysis, Bharathidasan University, Dec 07, 2020.
- [33] National Webinar On Uniform Convergence, D G Vaishnav College, Chennai, Nov 28,2020.
- [34] UGC-Refresher Course in Mathematics and Statistics on The Role of LUB Axiom in Real Analysis, Bharathidasan University, Nov 25, 2020.
- [35] Online Foundation Course in Mathematics, NBHM, Oct 04-24, 2020.
- [36] Online Special Lecture on Sagemath, Jamal Mohamed College, Tiruchirppalli, Sep 21-22,2020.
- [37] National One day Webinar on Uniform Continuity, Govt arts College, Tiruchirappalli, Aug 07, 2020.
- [38] State level Three days Webinar on Pure and Applied Mathematics, Sri Vijay Vidayalaya College for Arts and Science, Namakkal, July 13, 2020.
- [39] State level One day Webinar on Inner Product Spaces, Govt arts College, Villupuram, July 06, 2020.
- [40] National level One day Webinar on An invitation to Functional Analysis, June 24, 2020.
- [41] National level One day Webinar Bech Rusa on An invitation to Real Analysis, BDU, June 01, 2020.
- [42] National Webinar On LaTeX, RBVRR Women's College, Hyderabad, May 26, 2020.
- [43] Online MTTS 2020 on Linear Algebra, May 25-June 16, 2020.
- [44] National level One day Webinar on An invitation to Functional Analysis, June 24, 2020.
- [45] National level One day Webinar Bech Rusa on An invitation to Real Analysis ,BDU, June 01, 2020.
- [46] National Webinar On LaTeX, RBVRR Women's College, Hyderabad, May 26, 2020.
- [47] Online MTTS 2020 on Linear Algebra, May 25 June 16,2020.
- [48] Board of Studies, Government Arts College, Kumbakonam, March 04, 2020.
- [49] National Seminar on Algebra, Fuzzy theory and its application on Foundations, Vivekanandha Arts and Science college for women, Sankari, Salem, Feb 14, 2020.

- [50] National Workshop on Functional Analysis and its applications on Functional Analysis, St Xaviers college, Palayamkotai, Feb 13,2020.
- [51] Compact course on Theory, Numerics and applications of Differential equations on Functional Analysis, BDU, Jan 20 - Feb 01, 2020.
- [52] PTMT Programme, Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, Punjab, Dec 23, 2019 Jan 03, 2020.
- [53] Mini-MTTS Programme, TBAK, College Killakarai, Ramnad, Dec 09 14, 2019.
- [54] Two day workshop on pure and applied mathematics on An invitation to Real Analysis, Holy Cross College, Trichy, Dec 04, 2019.
- [55] One day special Lecture on Complex Analysis, AVS College of Arts and Science, Salem, Nov 23, 2019.
- [56] Three day National Seminar on Sagemath, KNM Govt. Arts and Science College, Kanjiramkulam, Kerala, Nov 21, 2019.
- [57] National Seminar on Analysis and Number theory on Real Analysis, Government College for Women, Thiruvananthapuram, Kerala, Oct 29, 2019.
- [58] Enrichment Programme for PG Students in Chittur on Real Analysis, Govt College, Chittur, Kerala, Sep 29 Oct 01, 2019.
- [59] Mini-MTTS Programme, Arul Anandar College, Karumathur, Madurai, Sep 1621, 2019.
- [60] One day workshop on Fundamentals of Analysis, Sri Vijay Vidyalaya College of Arts and Science, Salem, Aug 08, 2019.
- [61] PTMT Programme, Govt College, Chittur, Kerala, April 06-12,2019.
- [62] Introduction to Sagemath along with hands on session, Amrita Vishwa Vidyapeetham, Coimbatore, March 15,2019.
- [63] One day seminar on Algebra and Analysis, Srmad Andavan Arts and Science College, Srirangam, March 06, 2019.
- [64] UGC sponsored International conference on Recent advances in pure and applied mathematics, An invitation to Real Analysis, Arul Anandar College, Karumathur, Madurai, February 14, 2019.
- [65] Board of Studies meeting, St Xaviers college, Palayamkotai, Feb 09, 2019.
- [66] UGC sponsored National seminar on Mathematical Analysis, Generating Topologies, The Madura College, Madurai, Jan 22,2018.
- [67] PTMT Programme, Central University of Tamilnadu, Tiruvarur, Dec 17-29, 2018.
- [68] Mini-MTTS Programme, Sri Vasavi College, Erode, Dec 03 08, 2018.
- [69] DBT funded hands on training on SageMath and Octave, Vellalar College for

- Women, Erode, Nov 26-28,2018.
- [70] Advanced Training Programme on Algebra and its Applications, Introduction to Linear Algebra, VIT, Vellore, Nov 19-20, 2018.
- [71] Two day National Workshop on Math computing and Latex, Panampilly Memorial Govt college, Chalakudy, Kerala, Oct 27, 2018.
- [72] Special Lecture on Mathematics, Foundations, Bharathidasan University Constituent Arts and Science College Nagapattanam, Sep 18, 2018.
- [73] Two days Workshop on Analysis, Real Analysis, Vellalar College for Women, Erode, Sep 05 06, 2018.
- [74] Mini-Mtts, Hindustan College of Arts and Science, Coimbatore, March 19-24, 2018.
- [75] Invitation to topology with applications, VIT, Vellore, March 5, 2018.
- [76] National Workshop on Sagemath, St John's College, Anchal, Kerala, Feb 22, 2018.
- [77] Sagemath, Vellalar College for Women, Erode, Dec 13, 2017.
- [78] Mini-Mtts, Yadava College, Madurai, Nov 27 Dec 2, 2017.
- [79] National Seminar, Learning Python and Sage, Government College for Women, Thiruvananthapuram, Oct 25-27, 2017.
- [80] Sequence and Series, Vellalar College for Women, Erode, Sep 21, 2017.
- [81] MTTS programme IIT Indore, May 29 June 24, 2017.
- [82] National Workshop on Emerging Trends in Applications of Mathematics, Annai Women's College, Karur, Feb 20, 2017.
- [83] Analysis and its Applications, AVS College of Arts and Science, Salem, Nov 19, 2016.
- [84] Mini-Mtts, Yadava College, Madurai, Nov 28 Dec 3, 2016.
- [85] Continous functions, Thiagarajar College, Madurai, Sep 14, 2016.
- [86] Real Analysis, Cardamom Planters Association College, Bodinayakannur, Aug 31, 2016.
- [87] Invitation to Mathematics, Holy Cross College, Tiruchirappalli, Aug 27, 2016.
- [88] MTTS programme RIE Mysore, May 23 June 18, 2016.
- [89] Introduction to Analysis, Chidambaram Pillai College for Women, Tiruchirap-palli, Jan 29, 2016.
- [90] National Workshop on Computational Mathematics, MAR Ivanios College, Thiruvananthapuram, Dec 11, 2015.
- [91] Mini MTTS programme held at Rani Chennamma University, Belgaum , Nov 23 28, 2015.
- [92] Sequences and Series, Urumu Dhanalakshmi College, Tiruchirappalli, Aug

- 21,2015
- [93] MTTS programme SSN College, Chennai, May 18 June 13, 2015.
- [94] Problem Solving Session -Algebra and Analysis, PSGR Krishnammal College for Women, Coimbatore, 4th March 2015.
- [95] UGC XI Plan Net coaching Programme, Bishop Heber College, Tiruchirappalli, Feb 20, 2015.
- [96] Enrichment Programme UGC-CSIR examinations, Manonmaniam Sundaranar University, Tirunelveli, October 17 18, 2014.
- [97] Delivered a series of lectures in Pedagogical Training for Mathematics Teachers
 2014 conducted by National Board of Higher Mathematics at University of Agarthala, Agarthala, Tirupura, December 1-14, 2014.
- [98] Resident Faculty of Mini-MTTS Programme 2014 conducted by National Board of Higher Mathematics at Periyar University, Salem, Tamilnadu, June 23 -July 5, 2014.
- [99] Acted a Resource person for the Anna University sponsored Faculty Development Programme on Discrete Mathematics at SSN College of Engineering, Chennai during June 16 23, 2014.
- [100] Resident faculty of "MTTS (Mathematics Training & Talent Search)" conducted by National Board of Higher Mathematics at Regional Institute of Education, Mysore, May 19 June 14, 2014.
- [101] Acted as a resource person of Mini-MTTS Programme 2013 conducted by National Board of Higher Mathematics at St Xavier's College Palayamkottai, Tirunelveli, Tamilnadu from Dec 26 - 31, 2013.
- [102] Delivered a series of lectures in Pedagogical Training for Mathematics Teachers
 2013 conducted by National Board of Higher Mathematics at SSN College of Engineering, Chennai, Nov 20 Dec 4, 2013.
- [103] Special Lecture on Real Analysis, Department of Mathematics, Periyar University, Salem, Mar 17, 2012.
- [104] Special Lecture on Discrete Dynamical System, Department of Mathematics, National College, Trichy, Mar 08, 2012.
- [105] National Conference on Graph Theory, Algebra and Analysis, Department of Mathematics, Sadakathullah Appa College, Tirunelveli, Mar 07, 2012.
- [106] Special Lecture on Real Analysis, Department of Mathematics, Annamalai University, Annamalai Nagar, Mar 01, 2012.
- [107] Special Lecture on Dynamical System, Department of Mathematics, Gandhigram Rural University, Gandhigram, Feb 18, 2012.
- [108] Special Lecture on Real Analysis, Department of Mathematics, Govt Arts

- College, Kumbakonam, Jan 30, 2012.
- [109] Mathematics Teachers Training Program on Real Analysis, Department of Mathematics, Thiagarajar College of Engineering, Madurai, Jan 02-07, 2012.
- [110] National level Mathematics Training and Talent Search Program on Real Analysis, Department of Mathematics, Vellalar College for Women, Erode, Dec 05 23, 2011.
- [111] National Level Advanced Training Camp in Mathematics on Real Analysis in Department of Mathematics, St. Joseph College, Bangalore, Nov 21 26, 2011.
- [112] Special Lecture on Foundations of Analysis, Vellalar College for Women, Erode, Oct 03, 2011.
- [113] Workshop on Foundations of Analysis, PG and Research Department of Mathematics, Periyar E.V.R Collge, Trichy, Sep 20, 2011.
- [114] Special Lecture on Foundations of Analysis, Department of Mathematics, Srinivasan College of Arts and Science, Perambalur, Aug 11, 2011.
- [115] Special lecture in the Ramanujam Memorial Seminar on Real Analysis, Department of mathematics, Annamalai University, Annamalai Nagar, Mar 28, 2011.
- [116] Workshop on Art of Scientific Article Writing, PG and Research Department of Mathematics, Periyar E.V.R Collge, Trichy, Mar 11, 2011.
- [117] National level Seminar on Time management and Real Analysis, Department of Mathematics, Annai college of arts and science, Kumbakonam, Mar 10, 2011.
- [118] National Conference on Non-Linear Functional Analysis, Department of Mathematics, MS University, Tirunelveli, Mar 03 05, 2011.
- [119] State Level Seminar on Different Perspectives of Mathematics, Department of Mathematics, Indo-American college, Cheyyar, Feb 11, 2011.
- [120] Mathematics Teachers Training Programme on Real Analysis, Department of Mathematics, Thiagarajar College of Engineering, Madurai, Jan 03-08, 2011.
- [121] State level Advanced Training Camp in Mathematics on Linear Algebra, Department of Mathematics, SSN college of Engineering, Chennai, Dec 17 31, 2010.
- [122] State level Workshop on Initiation into Mathematics for Gujarat region Undergraduate students on Real Analysis, Department of Mathematics, The Maharaja Sayajirao University of Baroda, Dec 03 12, 2010.
- [123] Special Lecture on Fundamental of Mathematical Analysis, Dept.Mathematics, Urumu Dhanalakshmi college, Trichy, Oct 07, 2010.

- [124] National Seminar on Recent Technical Sources of applied Mathematics, Department of Mathematics, Vivekanandha College of Arts and Science for Women, Tiruchengode, Feb 26, 2010.
- [125] State level One day Seminar on Mathematical analysis in Honour of Prof. V. Karunakaran, Department of Mathematics, Madurai Kamaraj University, Madurai, Feb 25, 2010.
- [126] State leval Special Lecture on The role of LUB axiom in Real Analysis, Periyar E.V.R college, Trichy, Feb 18, 2010.
- [127] National level Seminar on Analysis and Number theory, Department of Mathematics, Alagappa University, Jan 21 22, 2010.
- [128] National Workshop on Mathematical Softwares for Preparation of Research articles and presentations using Latex, Department of Mathematics, SRM University, Chennai, Oct 22 23, 2009.
- [129] National Conference on Recent Trends in Analysis and Graph theory (A survey on best Approximation and best Proximity pair theorems), Department of Mathematics, M.D.T.Hindu college, Tirunelveli, Aug 11, 2009.
- [130] A Special Lecture on The Role of LUB axiom in Real Analysis, Department of Mathematics, Cauvery college for Women, Trichy, Sep 28, 2007.
- [131] National Conference on Analysis and Graph Theory (A survey on best approximation theorems), Department of Mathematics, Bharathidasan University, Trichy, Mar 09 10, 2007.

Others

No. of PhD Public Viva Voce Examination conducted: 1

List of Publications

- [1] A Herminau Jothy, Srinivasan PS, Laxmi Rathour, R Theivaraman, and S Thenmozhi. Some fixed point results on double controlled cone metric spaces. *Korean Journal of Mathematics*, 32(2):329–348, 2024.
- [2] A Herminau Jothy, Srinivasan PS, and R Theivaraman. Existence of selection map and the related fixed point results on hyperconvex product spaces. *J. Korean Soc. Math. Educ. Ser. B: Pure Appl. Math.*, 31(3):251–265, 2024.
- [3] R Theivaraman and Srinivasan PS. Extended b-metric spaces and the related approximate fixed point results. *Ratio Mathematica*, 49:88–103, 2023.
- [4] R Theivaraman, Srinivasan PS, M Marudai, S Thenmozhi, and A Herminau

- Jothy. G-metric spaces and the related approximate fixed point results. *Advances in Fixed Point Theory*, 13:1–26, 2023.
- [5] R Theivaraman, Srinivasan PS, S Thenmozhi, and S Radenovic. Some approximate fixed point results for various contraction type mappings. *Advances in Fixed Point Theory*, 13:1–20, 2023.
- [6] R Theivaraman, Srinivasan PS, S Radenovic, and Choonkil Park. New approximate fixed point results for various cyclic contraction operators on e-metric spaces. *Journal of the Korean Society for Industrial and Applied Mathematics*, 27(3):160–179, 2023.
- [7] R. Theivaraman, P. S., Srinivasan, and A. Herminau Jothy. Approximate best proximity pair results on metric spaces using contraction operators. *Korean Journal of Mathematics*, 31(3):373–383, 2023.
- [8] S. Sujith and P.S. Srinivasan. A best proximity point theorem for alternate convexically non exapansive map. *Journal of Emerging Technologies and Innovative Research*, 6(5), 2019.
- [9] M.S. Khan, S. Sujith and Srinivasan P.S. Best proximity of a map satisfying geometric mean condition. Best Proximity of a map satisfying geometric mean condition, Journal of Emerging Technologies and Innovative Research, 5(11), 2018.
- [10] S. Sujith and Srinivasan P.S. Fixed point theorem for k-quasi contraction mapping. *International Journal of Pure and Applied Mathematics*, 114(6):87– 98, 2017.
- [11] P. S. Srinivasan and P. Veeramani. On existence of equilibrium pair for constrained generalized games. *Fixed Point Theory Appl.*, (1):21–29, 2004.
- [12] M. Marudai and P. S. Srinivasan. Some remarks on Heilpern's generalization of Nadler's fixed point theorem. *J. Fuzzy Math.*, 12(1):137–145, 2004.
- [13] W. A. Kirk, P. S. Srinivasan, and P. Veeramani. Fixed points for mappings satisfying cyclical contractive conditions. *Fixed Point Theory*, 4(1):79–89, 2003.
- [14] P. S. Srinivasan and P. Veeramani. On best proximity pair theorems and fixed-point theorems. *Abstr. Appl. Anal.*, (1):33–47, 2003.

- [15] P.S Srinivasan and P. Veeramani. Family of transitive and sensitive maps of an interval. *Proceedings of the first national conference on nonlinear systems and dynamics*, pages 253–255, December 2003.
- [16] P. S. Srinivasan and P. Veeramani. Some results on best proximity pair theorems. *Appl. Gen. Topol.*, 3(1):25–32, 2002.
- [17] P. S. Srinivasan and P. Veeramani. Best proximity pair theorems for a family of sets. In *Analysis and its applications (Chennai, 2000)*, pages 197–207. Allied Publ., New Delhi, 2001.
- [18] P. S. Srinivasan and P. Veeramani. An extension of Browder fixed point theorem and applications. *Nonlinear Anal. Forum*, 6(1):267–273, 2001. Nonlinear analysis and its applications (St. John's, NF, 1999).
- [19] P. S. Srinivasan. Best proximity pair theorems. *Acta Sci. Math. (Szeged)*, 67(1-2):421–429, 2001.
- [20] P.S Srinivasan and P. Veeramani. On best proximity pair theorems and their applications. *Proceedings of the National Conference on Optimization Techniques in Industrial Mathematics*, pages 153–162, March 2000.