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Education	 B.Sc. in Mathematics, Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran, 2006-2011. M.Sc. in Mathematics, Sharif University of Technology, Tehran, Iran, 2012-2014.
M.Sc. Thesis	 - Title: A Multiscale Moving Boundary Model For Cancer Invasion - Advisor: Dr. Morteza Fotouhi Firoozabad, (E-mail: fotouhi@sharif.edu).
Research Interests	 Biomath Multiscale Mathematical Modelling Moving Boundary problems Tumor growth Pattern Formation Mathematical Neuroscience PDE Stochastic Analysis
Participation	- Summer School on Analysis and PDE: from microscale to macroscale, IPM, Tehran, Iran, June 28- July 25, 2014. (To see the certificate go to last page)
Research and Presentation	 - "A Correction on RSA Encryption", Amirkabir University of Technology, 2009. - "Pattern Formation in Reaction-Diffusion Models with Nonuniform Domain Growth", Sharif University of Technology, 2013. - "Heterogeneous multiscale EEM for diffusion problems on rough surfaces". Sharif

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	University of Technology, 2013.
	- " FEM Method for Unsteady Problems", Sharif University of Technology, 2014.
	- "A Multiscale Moving Boundary Model For Cancer Invasion", Sharif University of Technology, 2014.
Teaching Experience	- Calculus Unofficial Teacher Assistant under supervision of Dr. Sadeh, 2009, Amirk- abir University of Technology.
	- Differential Equations Teacher Assistant, One Semester 2014, Sharif University of Technology.
	- Several Experiences of Calculus, Differential Equations and Statistics Private Tu- toring.
Honors	- Ranked in top 1 percent in national university entrance exam for B.Sc. degree among more than 340,000 participants, 2007.
	- Ranked in top 0.5 percent in national university entrance exam for M.Sc. degree among more than 14000 participants, 2012.
GRE Scores	 - GRE Subject Math: 780, (Percentile: 77%), April 21, 2012. - GRE General: Verbal: 150 (45%), Quantitative: 162 (83%), Writting: 4 (56%), (November 16,2014)
TOEFL	 Date:October 18, 2014 Overall: 108 Reading: 30 Listening: 29 Speaking: 22 Writing: 27
Other Skills and Activities	 Programming: C, Java. Software: Matlab, Maple, Latex, Lindo, Microsoft Office. Skills: Playing Classical & Electrical Guitar, Playing Piano, Writing Lyrics (have

an online course certificate). - **Hobbies:** Watching Movies, Swimming, Playing Instruments, Reading Books.

Undergraduate	- Calculus 1,2:
accomplished	Calculus, (Robert Adams), Whole book covered in two semesters.
Courses and	- Basic Physics 1,2:
Textbooks	Fundamentals of Physics, (David Halliday, Robert Resnick), Whole book covered in
	two semesters.
	- Foundations of Mathematics:
	Set Theory with Applications, (Shwu-Yeng T. Lin, You-Feng Lin), Whole book cov-
	ered.
	- Computer Programming:
	Programming with C, (Domestic Author: Jaffarnejad Qomi), Whole book covered.
	- Differential Equations:
	Elementary Differential Equations, (William E.Boyce, Richard C.DiPrima), Whole
	book covered.
	- Statistics Probability 1,2:
	Mathematical Statistics with Applications, (John Freund), whole book covered in
	two semesters.
	- Linear Algebra:
	Number Theory:
	A Course in Number Theory (H. F. Rose) First 6 chapters covered
	- Math Analysis 1 2:
	Principles of Mathematical Analysis (Walter Budin) First 8 chapters covered in two
	semesters.
	- Math. Analysis 3:
	Analysis on Manifolds, (James R. Munkres), First 4 chapters covered plus some lec-
	ture notes about multilinear algebra and tensors.
	- Algebra 1,2,3:
	Basic Abstract Algebra, (P. B. Bhattacharya, S. K. Jain, S. R. Nagpaul), Whole book
	covered in 3 semesters.
	- Numerical Analysis:
	Numerical Analysis, (Richard L. Burden, J.Douglas Faires, Albert C. Reynolds), First
	7 chapters covered.
	- Operational Research 1,2:
	Operation Research: Applications and Algorithms, (Wayne L. Winston), Whole book
	covered in two semesters.
	- Set Theory:
	Introduction to Set Theory, (Karel Hrbacek, Thomas Jech), First 10 chapters cov-
	ered.
	- Complex Variables:
	Complex Variables and Applications, (James Ward Brown, Ruel V. Churchill), First
	9 chapters covered.
	- General Topology:
	Topology, (James R. Munkres), First 4 chapters covered.
	- Theory of Differential Equations:
	Differential Equations: Introduction and Qualitative Theory, (Jane Cronin), First 6
	Chapters covered.
	- Math. Special Language:
	Lecture notes of Dr. Saden.

- History of Mathematics:

Lecture notes of Dr. Shamsi.

- Elementary Algebraic Topology:

Topology, (James R. Munkres), Chapters 9 to 12 covered.

- Numerical Linear Algebra:

Numerical Linear Algebra, (Lloyd N. Trefethen, David Bau III), Whole book covered.

- Differential Geometry:

Elements of Differential Geometry, (Richard S. Millman, George D. Parker), Whole book covered.

graduate accomplished Courses and Textbooks	 Advanced Algebra: A First Course in Noncommutative Rings, (T.Y. Lam), Whole book covered. Real Analysis: Real Analysis; (H.L. Royden), First 10 chapters covered. Theory of Partial Differential Equations: Partial Differential Equations, (Lawrence C. Evans), First 7 chapters covered. Stochastic Analysis: A Probability Path, (Siney Resnik), Chapters 2 to 7 covered plus a selection of the rest of the book and a summary of chapters 3,4,5 of Stochastic Differential Equations (Brent Oksendal). Numerical Partial Differential Equations: Numerical Treatment of Partial Differential Equations, (Christian Grossmann, Hans-Gorg Roos, Martin Stynes), First 4 chapters covered. Differential Manifolds: An Introduction to Differential Manifolds, (Denis Barden, Charles Thomas), Whole book covered.
Self-Studied Math Books	 Pattern Formation by Rebecca Hoyle Understanding and Implementing the Finite Element Method by Mark S.Gockenbach Homogenization and Porous Media by Ulrich Hornung

- Mathematical Biology I:An Introduction by James D.Murray



Figure 1: Summer School Certificate