

Report on the state of mathematics in Iran (2007-2013)

This is an overview of the present status in Mathematics in Iran, prepared for the presentation to the IMU for promotion to Group IV by the adhering organization, the Iranian Mathematical Society (IMS).

1-Development History of the Iranian Mathematical Society

1.1 Historical Background

Before the establishment of the first university in Iran in 1934, and for about 3 subsequent decades after that, there was no recognized need in Iran for a mathematical society. One of the main reasons was that most of the Iranian Mathematicians were residing in Tehran. Gradually, in the 1960's, with the continuous establishment of more universities, there was a growing need for cooperation and collaboration among university mathematics professors. For this recognized need; in 1970, the 1st National Mathematics Conference was held in University of Shiraz and the need for the establishment of the Iranian Mathematical Society (IMS) was expressed and emphasized by all participants. At the 2nd National Mathematics Conference, the Founding Body approved the proposed constitution of IMS. In that conference, the members of the Executive Council were elected. Finally, in 1971, IMS was officially registered.

In 1972, the general Assembly nominated three committee to pursue the following agenda:

- Publishing the IMS Bulletin;
- Holding University Student Mathematics Contests;
- Choosing appropriate Persian equivalents for mathematical terms;

Since then, IMS has been improving and expanding its activities.

1.2 Membership

The IMS encourages all members of mathematics community at large to become its members. At present, IMS has about 700 full, about 2000 associate and some outstanding Iranian mathematicians living abroad are as honorary members. In addition, IMS has about 45 institutional members.

During the last 42 years, IMS has been responsible for organizing a number of academic and social events regarding mathematics. The following is a short summary of these activities.

1.3 Annual Gatherings:

1.3.1 The National Mathematics Conference

The IMS has successfully held annual National Mathematics Conferences since its establishments in 1970. The 44th National Mathematics Conference was held in University of Mashhad in September 2013 and the 45th National Mathematics Conference will be held in University of Semnan in September 2014. The significance of these activities is that for the last 44 years, the Iranian society has undergone major social changes. Universities were closed for 3 years, and the country suffered from an 8-year war. The period of post-war reconstruction caused severe financial restrictions and resource shortages for the universities. However, the National Mathematics Conference never ceased to convene and this is quite significant! The number of participants and papers presented at these conferences grew significantly. This growth prompted IMS to hold specialized meetings for different interest groups within the mathematical community at large.

1.3.2 Annual Iranian Mathematics Education Conferences

Since the number of teachers and educators of mathematics were growing in the National Mathematics Conferences, the need for organizing a separate conference for this interest group was acknowledged in various occasions. As the result, the necessity for organizing the annual Iranian Mathematics Education Conference (IMEC) was officially declared at the 26th National Mathematics Conference in Kerman in 1995 by then Minister of Education who was a mathematician himself. He appealed to the mathematicians and mathematics teachers to cooperate and organize such a conference. The result of this cooperation was the opening of the 1st IMEC that was held in Esfahan in the summer of 1996. The IMS has its delegates in the scientific committee of IMEC to monitor the scientific activities. The organizer and financial supporter of IMEC is the Ministry of Education.

More than 1000 teachers and university scholars are participating at the IMEC. At present, the research papers, refereed and presented at the IMEC, are improving in terms of quality and quantity. The IMEC has been providing valuable opportunities for teachers and educators to become interested in research issues within the Discipline of Mathematics Education. As a result, there was recognition for this discipline, and the proposed Master program of Mathematics Education was officially approved by the Ministry of Science, Research & Technology in December 1999.

1.3.3 University Student Seminars

Another interested group affiliated with IMS are university students. In 1998, specially designed seminar for the interested students of mathematics was held in Ahvaz. The second one was held in Sharif University of Technology in 1999, and the third in Kahje Nasir-e din Toosi University of Technology in the year 2000 with more than 600 student participants. The significance of

these seminars is that almost all the scientific and organizational activities including writing, and presenting papers as well as running workshop, round table discussions exhibitions and so on, are done by the students themselves.

1.3.4 Specialized Seminars and Conferences

A number of specialized gatherings have been held annually or biannually in the last few years under the supervision of IMS. During the year 2013, the following have been held or will be held:

- The 23th Algebra Seminar;
- The 11th Seminar on Differential Equations and Dynamical System;
- The 4rd Seminar on Numerical Analysis;
- The 7nd Linear Algebra Seminar;
- The 20th Mathematical Analysis Seminar;
- The 2nd Seminar Harmonic Analysis and its Applications;
- The 6th Group Theory Conference
- The 7th Seminar Geometry and Topology
- The 5th Applied Mathematics Conference;

It is worth mentioning that all these activities are being organized by different universities across the nation and are supervised by the IMS.

1.3.5 Monthly Seminars

Since 1999, IMS has been organizing monthly seminars to disseminate new ideas, as well as presenting thorough account of each specialized field including historical overview, important theorems and finding and open problems of that field.

The main audiences of these monthly seminars are Master and Doctoral students. The interested students not able to attend these seminars can have access to the proceedings and communicate with the presenters. The Monthly Seminars are held at different universities located in Tehran.

1.4 Mathematical Contests:

1.4.1 The University Student Contests

The proposal for arranging mathematical contests among undergraduate students was approved in the IMS General Assembly of 1972. The decision was also made to use the experience gained from these contests to prepare school students for participation in the World Mathematical Olympiads.

The first University Student Mathematics Contest was held in March 1973 and is being held annually with the exception of period of the Cultural Revolution in which the universities were closed for three years, from 1980 to 1983.

Up to the year 1998, these competitions were simultaneously held with National Mathematics Conference. Since 1998 when the student seminars started, the IMS Executive Committee decided to hold these competitions concurrent with student seminars. The 38th University student Mathematics Contest was held in May 2014. One hundred and sixty four students from 37 universities and institutions participated in this contest. These contests have created an excellent opportunity for students to compete in a healthy and friendly environment.

1.4.2. International Mathematical Contest for University Students

For the first time in 1999, a team of students from Sharif University of Technology participated in the 6th International Mathematics Contest of University Students in which each participating team had four undergraduate members, and each university from throughout the world could send separate teams. The host country for the 6th International Mathematics contest of University Students was Hungary and the Iranian team ranked second overall in this contest and in the year 2013, Mathematics team of Sharif University of Technology stood seventh in the 20th International Student Mathematics Contest held in Bulgaria.

1.5 Publications:

1.5.1 Periodicals

The first publication of IMS is “The Bulletin of the Iranian Mathematical Society” which was first published in 1973. The Bulletin contained various original, descriptive, and informative articles in both Persian and English and had a section for news.

Since 1979, in which the publication of the IMS quarterly Newsletter started, the Bulletin devoted most of its effort to publish extended research reports and papers with high quality. The Bulletin is internationally recognized and reviewed cover to cover.

At now, Bulletin is published six issues per year and indexing in the following databases:

- ▣ [Science Citation Index Expanded \(also known as SciSearch\)](#)
- ▣ [Journal Citation Reports/Science Edition](#)
- ▣ [Mathematical Reviews \(MathSciNet\)](#)
- ▣ [Zentralblatt MATH](#)
- ▣ [Islamic World Science Citation Center \(ISC\)](#)

Another international Journals which publish by other Universities in Iran are as follows:

Iranian Journal of Operations Research
International Journal of Group Theory
Iranian Journal of Fuzzy Systems
Iranian Journal of Mathematical Chemistry
Iranian Journal of Mathematical Sciences and Informatics
Iranian Journal of Numerical Analysis and Optimization
Journal of Algebraic System
Journal of Statistical Research of Iran
Journal of the Iranian Statistical Society
Transactions on Combinatorics
Wavelets and Linear Algebra
International Journal of Industrial Mathematics
Iranian Journal of Science and Technology. Transaction A.
Islamic Republic of Iran. Journal of Sciences
Scientia Iranica. International Journal of Science
&Technology.

Some of them indexing in [ISI](#), [Scopus](#) and all of them indexing in [MathSciNet](#).

In 1982, the first issue of “Farhang va Andishe-ye Riazi” (The Culture and Thoughts of Mathematics) was published in Persian. This periodical is published twice a year. Farhang Va Andishe-ye Riazi is devoted to expository articles regarding various issues of mathematics; including history and teaching, as well as different branches of applied and pure mathematics.

The cooperation of Iranian mathematicians living abroad as well as internationally known mathematicians with these periodicals is invited and highly recommended. Extended use of electronic facilities and the Internet for more efficient communication and faster evaluation is suggested.

1.5.2 Books

The Dictionary of Mathematics and statistics is the only non-periodical publication of the IMS. This book is the joint voluntary work of the members of the committee which have been set up since 1972. The result of this effort was finally published in 1991 in a book that is called by many, the “Bible of the Iranian Mathematics”. It is worth mentioning that after 8 years of delay, a number of committees were set up in 1999 to update and complete this work.

The IMS needs its own publishing facilities and a strong staff to act professionally. Publication can and should be the main source of income for IMS.

From 2007 till now, we bring in follows, some books which prepared by Iranian Mathematicians:



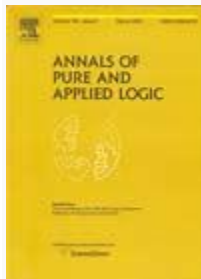
Multicriteria Analysis

Applications to Water and Environment Management

Mehdi Zarghami

Ferenc Szidarovszky

Publisher: Springer, 2011

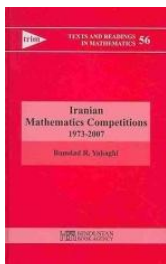


Special Issue

The Proceedings of the IPM Logic Conference 2007

Edited by: A. Enayat, I. Kalantari

Published by Elsevier B.V., 2010



Iranian Mathematics Competitions, 1973-2007

Yahaghi, Bamdad R

Publisher: Hindustan Book Agency (2010)



Proceedings of

International Workshop on Design Theory, Graph Theory, and Computational Methods - IPM Combinatorics II

Edited by: J. Dinitz, H. Kharaghani, G.B. Khosrovshahi and S. Shahriari

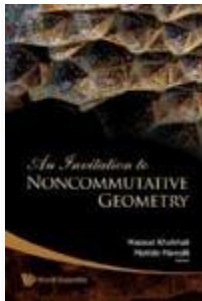
Published by Elsevier B.V., 2009



Spectral Theory Of Linear Operators

Author: Mohammad Bagher Ghaemi

Publisher: Lap Lambert Academic Publishing (2009-11-12).



An Invitation to Noncommutative Geometry

(Proceedings of the International Workshop on Noncommutative Geometry)

Edited by: M. Khalkhali, and M. Marcolli

Published by World Scientific, 2008



Lecture on Combinatorics I

IPM Lecture Notes Series 8

By: A. E. Brouwer, W. H. Haemers, E. Konstantinova, and R. M. Wilson

Published by IPM, 2008



Lecture on Classical Analytic Theory of L -function

IPM Lecture Notes Series 7

By: Amir Akbary

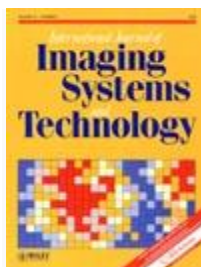
Published by IPM, 2008



Special Issue devoted to selected papers presented at the First IPM Conference on Algebraic Graph Theory

Edited by: R. Brualdi, R. Khosrovshahi, B. Mohar, and P. Rowlinson

Published by Elsevier Inc., 2008



Proceedings of the International Workshop on Computer Vision

Edited by: Z. H. Cho, and L. A. Shepp

Guest Editor: Mehrdad Shahshahani

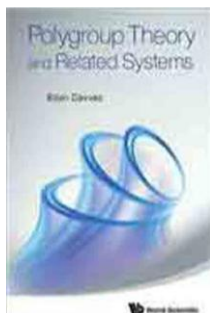
Published by Wiley InterScience, 2007



Special Issue devoted to selected papers presented at the International Workshop on Combinatorics, Linear Algebra, and Graph Coloring

Guest Editors: R. A. Brualdi, S. Hedayat, H. Kharaghani, G. B. Khosrovshahi, S. Shahriari

Published by Elsevier B.V., 2006



Lecture on Polygroup Theory with some basic results concerning group theory and algebraic hyperstructures and related systems

Published by word Scientific Publishing Company, 2012

Of course, up to now, many books published by International publisher which some part of book written by Iranian Mathematicians.

1. 6 Commemorations

In order to commemorate great Iranian mathematicians, the following awards are given to selected papers presented at different meetings organized by IMS:

- **Professor Riazi Kermani** Award is given to the best research paper presented at the National Mathematics Conference;
- **Professor Manivhehr Vesal** Awards is given to the best research paper presented at the annual Mathematical Analysis Seminar
- **Professor Taghi Fatemi** Award is given ti the best research paper presented by a school teacher at the annual Iranian Mathematics Education Conference;
- **Professor Mohsen Hashtroodi** Award is given for the best paper presented by an undergraduate student at the annual University Student Seminar.
- **Professor Mehdi Radjabalipour** Award is given for the best paper presented at the Linear Algebra Seminar
- **Profesor Mehdi Behzad** Award is given for the best management in Mathematic
- **Professor Hadi Shafieiha** Awarded is given for the best edited mathematical texts
- **Professor Abolghasem Ghorbani** Awarded is given for the best paper published in History of Mathematics;

Besides, the pioneers of mathematics in the country are occasionally honored and appreciated in some of the IMs annual meetings.

1.7 Educational Contracts and Research Studies

In 1974, IMS made a contract with the Ministry of Science, Research and Technology to develop a mathematics curriculum at the undergraduate level. The prepared curriculum under this contract is still

being used in all the universities in Iran.

The second contract of IMS was made with Iran University Press to publish the Dictionary of Mathematics and Statistics.

The Executive Council of IMS is studying the feasibility of making various contracts with the Ministry of Education and the Ministry of Science, Research and Technology in order to investigate and evaluate the different mathematics programs at general education, undergraduate and graduate levels.

1.8 International Communications

The IMS is a member of the International Mathematical union (IMU), and was promoted to group III in 2007.

It is worth mentioning that IMU, along with other international scientific unions of different fields of inquiry, is a member of the International Council of Scientific Unions. The Council is under the supervision of UNESCO (United Nation's Educational, Scientific and Cultural Organization).

The IMS has reciprocal relationships with many mathematical societies around the world. It exchanges its Bulletin for their publications for the purpose of enhancing cooperation and communications with other mathematical societies.

The IMS has its representatives in all major universities of the country. The duties and responsibilities of these representatives are approved by the IMS Executive Council. In addition many universities and scientific organizations in Iran are institutional members of IMS. However, communication between IMS and its members and affiliated groups leaves much to be desired.

According to cooperation between IMS and some International Centers in the world, for example, ICTP, IMPA, and so on, the best students selected by University Student Mathematics Contest will go to these centers for a short period.

1.9 Specialized Committee

Since each year the Mathematicians in Iran growth and Mathematical research covers a wide variety of areas. IMS decided to introduce some specialized Committee which contain the best Iranian Mathematicians in that subject. In follow, we bring the name of these Committee:

-Mathematical Education

-Mathematical Analysis

-Statistics

-Numerical Analysis

- Algebra
- Differential equation and Dynamical system
- Commutative Algebra
- Group Theory
- Coding Theory
- Financial Mathematics
- Non linear Analysis
- Fuzzy Systems
- Harmonic Analysis
- Optimization and operation research
- Combinatorics and graph theory
- Linea Algebra and operator Theory
- Logic and Computer Science
- Geometry and Topology

2- Ranking of Iran in Mathematical Sciences

According to <http://www.scimagojr.com>, Iran is in the 16th position in the ranking of research articles in mathematics published in 2012 in all of the world. Of course, in 2007 , Iran was in the 25th position in the ranking of research articles published in mathematics (see Table 1)































	Country	Documents	Citable documents	Citations	Self-Citations	Citations per Document	H index
1	 United States	20.908	19.507	8.045	4.398	0,38	355
2	 China	16.656	15.839	4.216	2.741	0,25	135
3	 Germany	8.059	7.506	3.503	1.637	0,43	182
4	 France	7.433	6.975	2.821	1.177	0,38	166
5	 United Kingdom	6.425	5.982	3.042	1.217	0,47	186
6	 Italy	5.472	5.015	2.427	1.015	0,44	148
7	 Spain	4.650	4.323	2.022	759	0,43	133
8	 Japan	4.583	4.335	1.750	667	0,38	133
9	 India	4.504	4.358	979	425	0,22	103
10	 Canada	4.118	3.838	1.804	540	0,44	143
11	 Russian Federation	3.498	3.375	1.520	748	0,43	124
12	 South Korea	3.268	3.078	1.291	438	0,40	102
13	 Poland	2.950	2.816	910	429	0,31	94
14	 Australia	2.505	2.309	1.106	314	0,44	116
15	 Taiwan	2.459	2.291	789	290	0,32	102
16	 Iran	2.364	2.259	637	341	0,27	56
17	 Brazil	2.303	2.171	888	375	0,39	86
18	 Netherlands	1.936	1.784	1.088	271	0,56	121
19	 Switzerland	1.729	1.625	1.336	340	0,77	136
20	 Israel	1.566	1.468	799	182	0,51	125
21	 Turkey	1.557	1.478	580	213	0,37	76

Table 1





Also, according to <http://www.scimagojr.com>, Iran was in the 4th position in the ranking of research articles in mathematics published in 2007 in the middle East, but in 2012, Iran is in the first position in the ranking of research articles published in mathematics (see Table 2 and 3).

Subject Area: **Mathematics.**
 Region: **Middle East.**
 Year: **2003.**

	Country	Documents	Citable documents	Citations	Self-Citations	Citations per Document	H index
1	 Israel	1.176	1.161	13.106	2.767	11,14	125
2	 Turkey	502	499	4.526	1.625	9,02	76
3	 Egypt	270	270	2.091	605	7,74	48
4	 Iran	247	245	1.787	901	7,23	56
5	 Saudi Arabia	136	136	1.011	227	7,43	42
6	 United Arab Emirates	64	62	572	73	8,94	28
7	 Jordan	48	48	210	90	4,38	31
8	 Kuwait	43	42	303	31	7,05	26
9	 Oman	39	39	336	35	8,62	23
10	 Lebanon	29	28	179	29	6,17	21
11	 Bahrain	9	9	29	3	3,22	9
12	 Palestine	9	9	97	13	10,78	14
13	 Qatar	4	4	5	0	1,25	14
14	 Iraq	2	2	0	0	0,00	7
15	 Syrian Arab Republic	2	2	4	0	2,00	8
16	 Yemen	1	1	3	0	3,00	10

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Table 2

	Country	Documents	Citable documents	Citations	Self-Citations	Citations per Document	H index
1	 Iran	2.364	2.259	637	341	0,27	56
2	 Israel	1.566	1.468	799	182	0,51	125
3	 Turkey	1.557	1.478	580	213	0,37	76
4	 Saudi Arabia	983	931	644	184	0,66	42
5	 Egypt	508	493	170	76	0,33	48
6	 Jordan	233	225	202	58	0,87	31
7	 United Arab Emirates	139	127	40	13	0,29	28
8	 Lebanon	79	72	11	4	0,14	21
9	 Kuwait	71	59	8	4	0,11	26
10	 Qatar	67	66	12	2	0,18	14
11	 Oman	57	54	7	2	0,12	23
12	 Iraq	47	47	3	1	0,06	7
13	 Palestine	18	18	2	0	0,11	14
14	 Bahrain	16	16	9	2	0,56	9
15	 Yemen	12	11	2	2	0,17	10
16	 Syrian Arab Republic	8	8	4	3	0,50	8

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Table 3

3- The number of Societies related to Mathematical Sciences

Iranian Mathematical Society

Iranian Statistical Society

Iranian Fuzzy System Society

Iranian Society of Cryptology

Iranian Association for Mathematics Teachers

All of societies in Iran in all branches are ranking by the Ministry of Science, Research & Technology, each year. From 2008 till now, the Iranian Mathematical Society get the first rank between all of societies in basic science.

4- Number of International Conferences and Workshops held in Iran

We explained about some Conferences and Seminar which organized by IMS in the above. Here, we bring another International Conferences and Workshop which held in Iran from 2007 till 2013:

2014

11th International ISC Conference on Information Security and Cryptology	3-4 September 2014	University of tehran Sahand University of Technology
14th Iranian Conference on Fuzzy Systems	19-21 August	
7th International Conference of Iranian Operations Research Society	14-15 May	Semnan University
6th International Conference on Group Theory	12-14 March	Golestan university
2nd Seminar on Harmonic Analysis and Applications	5-7 January	IPM
1st International Conference of Operation Research for Optimal Decision(Making Oil, Gas, Petrochemical, Refining and Distribution Industries)	1-2 June	
45th Annual Iranian Mathematics Conference	26-29 August	Semnan University

2013

Annual Seminar on Mathematical Logic and its Applications	December 18 and 19	IPM
International Conference on Operations Research and Optimization	January 19-22	IPM
Workshop on Higher Dimensional Auslander-Reiten Theory	29-30 August 2013	IPM
10th The International ISC Conference on Information Security and Cryptology	8-9 May 2013	Yazd University
5th International Conference on Group Theory	13-16 March	Islamic Azad University, Mashhad Branch
13th Iranian Conference on Fuzzy Systems	27-29 August	Islamic Azad University, Qazvin Branch
44th Annual Iranian Mathematics Conference	27-30 August	Ferdowsi University of Mashhad
1st Seminar on Harmonic Analysis and Applications	23-24 January	Isfahan University of Technology
6th International Conference of Iranian Operations Research Society	8-9 May 2013	

2012

IPM Workshop on Representations of Artin Algebras	October 15-18	IPM
A Workshop on Geometry and Topology	August 25 and 26	IPM
One-day Conference on Graph Theory	10-May	IPM
4th International Conference on Group Theory	7-9 March	Payame Noor University of Isfahan
6th International Conference on Fuzzy Information and Engineering (ICFIE)	25-26 October	University of Mazandaran
5th International Conference of Iranian Operations Research Society	16-17 May	Azarbaijan Shaid Madani University
12th IRANIAN CONFERENCE ON FUZZY SYSTEMS	23-25 October	University of Mazandaran
43th Annual Iranian Mathematics Conference	27-30 August	Tabriz University
9th International ISC Conference on Information Security and Cryptology	13-14 September 2012	University of Tabriz

2011

International Conference on Operations Research and Optimization	January 26-28	IPM
Workshop on Computational Commutative Algebra	July 2-7	IPM
The 9th International Iranian Workshop on Stochastic Processes	October 25-27	IPM
International Workshop and Conference on Infinite Dimensional Lie Theory and its Applications	May 10-17	IPM
4th International Conference of Iranian Operations Research Society	18-19 May	Guilan University
11th IRANIAN CONFERENCE ON FUZZY SYSTEMS	5-7 July	Universyti of Sistan and Baluchestan
42th Annual Iranian Mathematics Conference	5-8 September	Vali-e-Asr University of Rafsanjan
8th International ISC Conference on Information Security and Cryptology	14-15 September 2011	Ferdowsi University of Mashhad

2010

The 6th International Iranian Workshop on Stochastic Processes	May 18-20	IPM
IPM Workshop on Cluster Algebras and Quiver Representations	June 29-July 1	IPM
10th IRANIAN CONFERENCE ON FUZZY SYSTEMS	13-15 July	Shahid Beheshti University
3th International Conference of Iranian Operations Research Society	5-6 May	Amirkabir University of Technology
41th Annual Iranian Mathematics Conference	12-15 September	Urmia University
4th International Conference on Fuzzy Information and Engineering (ICFIE)	14-15 October	Amol University

2009

International Workshop on Number Theory	May 31- June 4	IPM
The 2nd School & Conference on Noncommutative Geometry	19-30 April	IPM
Celebrating 20 Years of IPM	12-15 May	IPM
2nd International Conference of Iranian Operations Research Society	20-21 May	Mazandaran University
CIMPA-UNESCO-IPM School on Commutative Algebra and Applications to Combinatorics and Algebraic Geometry	June 20-30	IPM
40th Annual Iranian Mathematics Conference	17-20 August	Sharif University of Technology

2008

Mini-workshop on Index Theory	February 16-20	IPM
The 2nd One-day Seminar on Partial Differential Equations	13-Mar	IPM
1st International Conference of Iranian Operations Research Society	28-30 January	Sharif University of Technology
39th Annual Iranian Mathematics Conference	24-27 August	Shahid Bahonar University of Kerman
CIMPA-UNESCO-IPM School on Representation Theory of Algebras	June 15-25	IPM

2007

One-day Seminar on Functional Analysis	February 8	IPM
The first IPM conference on Algebraic Graph Theory	April 21-26	IPM
IPM logic Conference 2007	June 10-15	IPM
One-day Seminar on Partial Differential Equation	31-Dec	IPM
CIMPA-UNESCO-IRAN School on Recent Topics in Geometric Analysis	May 20-June 2	IPM
Number Theory and Automorphic Forms	December 15-21	IPM
IPM Combinatorics II Design Theory, Graph Theory, and Computational Methods	April 22-27	IPM
38th Annual Iranian Mathematics Conference	3-6 September	Zanjan University

5- Number of universities with department of mathematics (non-govermental universities are not included) :

- 2007: 58
- 2013: 69

6- Number of master students of mathematics (non-govermental universities are not included):

- 2007:3058
- 2013:6096

7- Number of Ph.D. students of mathematics (non-govermental universities are not included):

- 2007:430
- 2013: 643

8- Number of faculty members of department of mathematics with Ph.D. degrees(non-governmental universities are not included) :

- 2007: 620
- 2013: 1052

9-Iranian's Mathematical Sciences Publications

Many publications relating to mathematical sciences in Iran are published annually. These include:

- Scientific articles published in refereed journal articles;
- Conference papers presented at national and international conferences.

Number of publications of Mathematicians with affiliated Institutes in Iran in International Journals reviewed in Math.Sci.Net :

- 2007: 959
- 2008: 1050
- 2009: 1220
- 2010: 1397
- 2011: 2238
- 2012: 2645
- 2013: 2517

Also, from the January of 2014 till now (May 2014) , 566 papers indexing in Math.SciNet by Iranian Mathematicians which we bring the detail of them in follows:



MR3178406 _ Kord, A. F.; Haddadi Moghaddam, M. Comments on the role of field redefinition on renormalisation of $N=12$ supersymmetric pure gauge theory. *Nuclear Phys. B* **881** (2014), 539–560. [81Q60](#)

MR3181659 _ Ahmadi, Omran; Shparlinski, Igor E. Exponential sums over points of elliptic curves. *J. Number Theory* **140** (2014), 299–313. [11L07](#) ([11G20](#) [11T23](#))

MR3178307 _ Shokouhi-Nejad, Hossein; Rikhtehgar-Ghiasi, Amir Robust H_∞ observer-based controller for stochastic genetic regulatory networks. *Math. Biosci.* **250** (2014), 41–53. [92C42](#)

MRMR3187674 _ Kanzi, Nader Constraint qualifications in semi-infinite systems and their applications in nonsmooth semi-infinite problems with mixed constraints. *SIAM J. Optim.* 24 (2014), no. 2, 559–572. 90C34 (49J52 90C46)

3178009 _ Rajasekaran, Sundaramoorthy; Norouzzadeh Tochaei, Emad Free vibration analysis of axially functionally graded tapered Timoshenko beams using differential transformation element method and differential quadrature element method of lowest-order. *Meccanica* 49 (2014), no. 4, 995–1009. 74H45 (74K10)

MR3182971 _ Hashemi, Behnam; Tavakolipour, Hanieh; Nasrollahi Shirazi, Mahsa Comparison of the quasi-inverses of the Kronecker sum and product of matrices over complete commutative dioids with applications. *Linear Algebra Appl.* 448 (2014), 22–36. 15A80 (18B35)

MR3182008 _ Herzog, Jürgen; Sharifan, Leila; Varbaro, Matteo The possible extremal Betti numbers of a homogeneous ideal. *Proc. Amer. Math. Soc.* 142 (2014), no. 6, 1875–1891. 13D02

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