

Curriculum Vitae – M. Reza Koushesh

Associate Professor of Mathematics

Contact Information

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Education

- PhD in Pure Mathematics, 2007, University of Manitoba, Canada.
- MSc in Pure Mathematics, 2002, Isfahan University of Technology, Iran.
- BSc in Pure Mathematics, 1999, Isfahan University of Technology, Iran.
- High School Diploma, 1994, Shahid Ejei High School of Isfahan, Iran.

Research Interests

- General Topology (Compactification theory).
- Functional Analysis (Algebras of continuous functions).
- Measure and Integration (Borel measures).

Awards/Honors

- Award in Mathematics (Abou-Reyhan Award),
Academy of Sciences of the Islamic Republic of Iran, 2015.
- Award in Geometry & Topology (Hashtroudi Award),
Iranian Mathematical Society, 2012.
- University Graduate Fellowship,
University of Manitoba, 2005–2007.
- University Student Union Scholarship,
University of Manitoba, 2005–2006.
- Graduate Award for Excellence in Mathematics,
University of Manitoba, 2004–2005.
- Graduate Award for Excellence in Mathematics,
University of Manitoba, 2003–2004.
- Department of Mathematics Graduate Fellowship,
University of Manitoba, 2003–2005.
- First Ranked, MSc program, Department of Mathematical Sciences,
Isfahan University of Technology, 2002.

Academic Services/Affiliations

- *Editorial Board Member*,
Bulletin of the Iranian Mathematical Society, 2016–present.
- *Resident Researcher*,
Institute for Research in Fundamental Sciences (IPM), School of Mathematics, Isfahan,
2013–present.
- *Non-resident Researcher*,
Institute for Research in Fundamental Sciences (IPM), School of Mathematics, Tehran,
2007–2008, 2011–2012.
- *Geometry & Topology Committee Member*,
Iranian Mathematical Society, 2013–present.
- *International Affairs Committee Member*,
Iranian Mathematical Society, 2016–present.

Invited Talks

- *Extending topological spaces by adding points.*
Annual Iranian Mathematics Conference (48th), Bu-Ali Sina University, 2017.
- *Connectifying a topological space.*
Iranian Seminar on Geometry & Topology (9th), University of Maragheh, 2017.
- *One-point connectifications.*
Iranian Seminar on Geometry & Topology (8th), Amirkabir University of Technology, 2015.
- *Closed non-vanishing ideals in $C_B(X)$.*
Annual Iranian Mathematics Conference (46th), Yazd University, 2015.
- *The Banach algebra of continuous bounded functions with separable support.*
University of South Africa, 2014.
- *On a question of Alexandroff.*
University of South Africa, 2014.
- *On one-point extensions.*
University of Winnipeg, 2006.

Conference Organizations

- (*Scientific committee member*) Annual Iranian Mathematics Conference (47th), Kharazmi University, 2016.
- (*Scientific committee member*) Iranian Seminar on Geometry & Topology (8th), Amirkabir University of Technology, 2015.

Research Articles

- M. Farhadi and **M.R. Koushesh**,
A Gelfand–Naimark type theorem.
Topology Appl. **228** (2017), 145–157.
- M. Fakhar, **M.R. Koushesh** and M. Raoofi,
Embedding normed linear spaces into $C(X)$.
Bull. Iranian Math. Soc. **43** (2017), no. 1, 131–135.
- **M.R. Koushesh**,
Connectedness modulo an ideal.
Topology Appl. **214** (2016), 150–179.
- **M.R. Koushesh**,
One-point connectifications.
J. Aust. Math. Soc. **99** (2015), no. 1, 76–84.
- **M.R. Koushesh**,
Topological extensions with compact remainder.
J. Math. Soc. Japan **67** (2015), no. 1, 1–42.
- **M.R. Koushesh**,
Embedding measure spaces.
Bull. Iranian Math. Soc. **40** (2014), no. 1, 125–155.
- **M.R. Koushesh**,
Representation theorems for normed algebras.
J. Aust. Math. Soc. **95** (2013), no. 2, 201–222.
- **M.R. Koushesh**,
Representation theorems for Banach algebras.
Topology Appl. **160** (2013), no. 13, 1781–1793.
- **M.R. Koushesh**,
One-point extensions and local topological properties.
Bull. Aust. Math. Soc. **88** (2013), no. 1, 12–16.
- **M.R. Koushesh**,
Connectedness modulo a topological property.
Topology Appl. **159** (2012), no. 16, 3417–3425.
- **M.R. Koushesh**,
The Banach algebra of continuous bounded functions with separable support.
Studia Math. **210** (2012), no. 3, 227–237.

- **M.R. Koushesh,**
A pseudocompactification.
Topology Appl. **158** (2011), no. 16, 2191–2197.
- **M.R. Koushesh,**
One-point extensions of locally compact paracompact spaces.
Bull. Iranian Math. Soc. **37** (2011), no. 4, 199–228.
- **M.R. Koushesh,**
The partially ordered set of one-point extensions.
Topology Appl. **158** (2011), no. 3, 509–532.
- **M.R. Koushesh,**
On order structure of the set of one-point Tychonoff extensions of locally compact spaces.
Topology Appl. **154** (2007), no. 14, 2607–2634.
- **M.R. Koushesh,**
On one-point metrizable extensions of locally compact metrizable spaces.
Topology Appl. **154** (2007), no. 3, 698–721.

**Research
Monograph**

- **M.R. Koushesh,**
Compactification-like extensions.
Dissertationes Math. (Rozprawy Mat.) **476** (2011), 88 pp.

**Submitted
Manuscripts**

- **M.R. Koushesh,**
Ideals in $C_B(X)$ arising from ideals in X (69 pp.), [arXiv:1508.07734](https://arxiv.org/abs/1508.07734) [math.FA].
- **M.R. Koushesh,**
Connectifying a space by adding one point (6 pp.), [arXiv:1701.00954](https://arxiv.org/abs/1701.00954) [math.GN].
- A. Khademi and **M.R. Koushesh,**
On closed non-vanishing ideals in $C_B(X)$ (16 pp.).

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