

# Curriculum Vitae of Doctor Fucai Lin

## ★Personal Data

Position: Associate Professor of Mathematics

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**Fucai Lin**

## ★Education

Ph.D in Pured Mathematics, Sichuan University, 2008--2011

M.S. in Fundamental Mathematics, Zhangzhou Normal University, 2005-2008

B.S. in Mathematics, Zhangzhou Normal University, 1998-2002

## ★Working Experiences

Associate Professor, Minnan Normal University, 2013-present

Postdoctoral Researcher, Sichuan University, 2008-2011

Lecturer, Zhangzhou Normal University, 2008-2013

Teaching Assistant, Zhangzhou Normal University, 2002-2008

## ★Professional Services

Reviewer for Mathematical Reviews (Reviewer No 080581)

Reviewer for zbMATH (Reviewer No 14892)

Reviewer for Topology and its Applications

Reviewer for Applied General Topology  
Reviewer for Fasciculi Mathematici  
Reviewer for Acta Scientiarum. Technology  
Reviewer for Hacettepe Journal of Mathematics and Statistics  
Reviewer for Advanced Research in Pure Mathematics  
Reviewer for Bulletin of the Iranian Mathematical Society  
Reviewer for Mathematische Nachrichten  
Reviewer for Annals of Fuzzy Mathematics and Informatics

### ★Research Areas

General Topology, Topology Algebra

### ★Main Publication

#### 2015

- [1] **Fucai Lin**, Chuan Liu, Shou Lin, StefanCobzas, Free Abelian paratopological groups over metric spaces, **Topology and its Applications**, 2015, 183: 90--109.
- [2] Shou Lin, **Fucai Lin**, Li-Hong Xie, The extensions of some convergence phenomena in topological groups, **Topology and its Applications**, 2015, 180: 167--180.
- [3] Zhaowen Li, **Fucai Lin**, Chuan Liu, Networks on free topological groups, **Topology and its Applications**, 2015, 180: 186--198.

#### 2014

- [1] **Fucai Lin**, Chuan Liu.  $S_\omega$  and  $S_2$  on free topological groups, **Topology and its Applications**, 2014, 176: 10--21.
- [2] **Fucai Lin**, Kexiu Zhang. A problem of M. Tkachenko on semitopological groups, **Topology and its Applications**, 2014, 172: 10--13.
- [3] **Fucai Lin**, Kexiu Zhang, Changqing Li, Weichen. Some Problems of Arhangel'skii on Diagonal-flexible spaces and Rotoids, **Topology and its Applications**, 2014, 167: 26--30.

- [4] **Fucaï Lin**. The operators of rotoids in homogeneous spaces or generalized ordered spaces, **Topology and its Applications**, 2014, 161: 248--262.
- [5] **Fucaï Lin**. Pseudocompact rectifiable spaces, **Topology and its Applications**, 2014, 164: 215--228.
- [6] **Fucaï Lin**. Local minimalities in paratopological groups, **Topology and its Applications**, 2014, 165: 69--83.
- [7] **Fucaï Lin, Shou Lin**. Sequence-covering mapping on generalized metric spaces, **Houston Journal of Mathematics**, 2014, 40(3):927--943.
- [8] **Fucaï Lin, Shou Lin**. About remainders in compactifications of paratopological groups, *Bull. Iranian Math. Soc.*, 2014, 40: 713--719.
- [9] **Fucaï Lin, Chuan Liu, Li-Hong Xie**. Remainders of semitopological groups or paratopological groups, *Ukrainian Mathematical Journal*, 2014, 66: 500-509.
- [10] **Fucaï Lin**. The Vietoris topology on rectifiable spaces, *Semigroup Forum*, 2014, 88: 273--278.
- [11] **Fucaï Lin, Shou Lin**. Some notes on closed sequence-covering maps, *Journal of Mathematical Research with Applications*, 2014, 34(1): 97--104.
- [12] **Fucaï Lin, Shou Lin, Iván Sánchez**. A note on pseudobounded paratopological groups, *Topological Algebra and its Applications*, 2014, 2: 11--18.

## 2013

- [1] **Fucaï Lin, Lin Shou**.  $\pi$ -metrizable spaces and strongly  $\pi$ -metrizable spaces, *Houston J. Math.*, 2013, 39(1) : 273--285.
- [2] **Fucaï Lin**. A note on paratopological groups with countable networks of sequential neighborhoods, *Topology Proceedings*, 2013, 41: 9--16.
- [3] **Fucaï Lin**. Compactly generated rectifiable spaces or paratopological groups, *Math. Commun.* 2013, 18: 417-427.
- [4] **Fucaï Lin**. Metrizability of rectifiable spaces, *Bulletin of the Malaysian Mathematical Sciences Society*, 2013, 36(4): 1099-1107.
- [5] Jing Zhang, **Fucaï Lin**, Wei He. On hereditarily normal rectifiable spaces, *Filomat*, 2013, 27(7): 1329-1331.
- [6] Weijian Rong, **Fucaï Lin**, Soft connected spaces and soft paracompact spaces,

International Journal of Applied Mathematics and Statistics, 2013, 51(21): 667—681.

## 2012

- [1] **Fucaï Lin**, Topology algebra and generalized metric spaces (in Chinese), Xiamen University press, 2012.
- [2] **Fucaï Lin**, Chuan Liu. On paratopological groups, **Topology and Its Applications**, 2012, 159 : 2764--2773.
- [3] **Fucaï Lin**, Chuan Liu, Shou Lin. A note on rectifiable space, **Topology and Its Applications**, 2012, 159 : 2090--2101.
- [4] **Fucaï Lin**. A note on free paratopological groups, **Topology and Its Applications**, 2012, 159 :3596--3604.
- [5] **Fucaï Lin**. Topologically subordered rectifiable spaces and compactifications, **Topology and Its Applications**, 2012, 159 : 360--370.
- [6] **Fucaï Lin**, Shou Lin, J. K. Junnila. Regular bases at non-isolated points and metrization theorems, *Studia Scientiarum Mathematicarum Hungarica*, 2012,49(1): 91—105.
- [7] **Fucaï Lin**. Topological monomorphism between free paratopological groups, *Bulletin of the Belgian Mathematical Society - Simon Stevin*, 2012, 19(3): 507--521.
- [8] Kedian Li, **Fucaï Lin**. Characterizations of Quasi-Pseudo-Metrizable Spaces, *Topology Proc.*, 2012, 40: 121-129.

## 2011

- [1] **Fucaï Lin**, Rongxin Shen. On rectifiable spaces and paratopological groups, **Topology and Its Applications**, 2011, 158 : 597--610.
- [2] **Fucaï Lin**, Shou Lin. Some weak versions of the  $M_1$ -spaces, **Topology and Its Applications**, 2011, 158 : 1019--1024.
- [3] **Fucaï Lin**, Shou Lin. Uniform bases at non-isolated points and maps, *Houston J. Math.*, 2011, 37(2) : 677--688.
- [4] **Fucaï Lin**, Shou Lin. Pseudobounded or  $\omega$ -pseudobounded paratopological groups, *Filomat*, 2011, 25(3) : 93--103.
- [5] **Fucaï Lin**. Local properties on the remainders of the topological groups, *Kodai*

Mathematical Journal, 2011, 34: 505–518.

[6] **Fucai Lin**,  $wb$ -compact spaces and locally  $wb$ -compact spaces, Journal of Advanced Research in Pure Mathematics, 2011, 3(1) : 96--103.

## 2010

[1] **Fucai Lin**, Shou Lin. Open uniform  $(G)$  at non-isolated points and maps, Questions and Answers in General topology, 2010, 28 : 147--156.

[2] **Fucai Lin**, Shou Lin. Maps on submetrizable spaces, Questions and Answers in General topology, 2010, 28: 203--217.

[3] **Fucai Lin**, Shou Lin, On sequence-covering boundary compact maps of metric space, Advances in Mathematics (China), 2010, 39(1) :71--78.

[4] **Fucai Lin**, Rongxin Shen, Some notes on  $\sigma$ -point-discrete  $sn$ -networks, Advances in Mathematics (China), 2010, 39(2) : 212--216.

[5] **Fucai Lin**,  $\sigma$ -point-discrete  $cs^{\ast}$ -networks and  $wcs^{\ast}$ -networks}, Journal of Advanced Research in Pure Mathematics, 2010, 2(3) : 7--12.

## 2009

[1] **Fucai Lin**, Rongxin Shen. A note on supercomplete spaces, Acta Math. Hungar, 2009, 123(3) : 229--232.

[2] **Fucai Lin**, Sequentially Connected in LF Topology Spaces, Fuzzy systems and Mathematics , 2009, 23(1) : 76--79.

## 2008

[1] **Fucai Lin**, Shou Lin, Uniform covers at non-isolated points, Topology proceedings, 2008, 32 : 259-275.

## 2007

[1] **Fucai Lin**, The Nearly Ultra-fuzzy Compactness of Relative Products, Fuzzy systems and Mathematics , 2007,21(6) : 72--75.

[2] **Fucai Lin**, The Junila's Characterization of Meta-Lindelof spaces, Journal of Zhangzhou Normal University(Nat. Sci.), 2007, 58(4) : 11--14.