



搜索

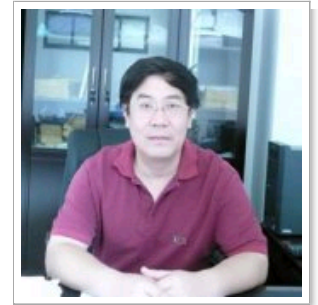
您的位置: [首页](#) > [学院一览](#) > [师资队伍](#) > [常安](#)

## 栏目列表

- ▷ 学院简介
- ▷ 学院领导
- ▷ 组织机构
  - 管理部门
  - 教学系别
  - 科研机构
  - 学术机构
- ▷ 师资队伍
- ▷ 校友风采

## 常安

职称	教授
职务	博士生导师
主讲课程	组合数学、图论
研究方向	图论及其应用
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常安，男，1962年生，博士研究生毕业，教授，博士生导师。1983年6月毕业于青海师范大学，获学士学位学位；1990年获新疆大学硕士学位；1998年6月毕业于四川大学，获博士学位。主要从事图论领域中的代数图论，化学图论等方向的基础理论研究。曾经参加过多项国家自然科学基金项目的研究工作，目前是国家基金委重点项目和国家重点研究计划973项目课题组的主要研究成员，并主持一项国家自然课基金项目的研究工作。1995年获青海省科技进步三等奖，2004年获福建省科学技术二等奖。

### 承担或参加的科研项目

1. 2006.9-2011.8 大规模集成电路设计中的图论与代数方法 国家科技部“973”课题（研究成员）
2. 2010.1-2013.12 极值图论 国家自然科学基金重点项目（研究成员）
3. 2005.1-2008.12 子图覆盖与子图存在性的若干问题 国家自然科学基金重点项目（研究成员）
4. 2009.1-2011.12 图与超图谱理论的若干应用问题研究 国家自然科学基金面上项目（主持）
5. 2004.1-2006.12 整数流、子图覆盖与代数图论 国家自然科学基金面上项目（研究成员）
6. 2003.1-2004.12 图论在数学化学中的应用 国家自然科学基金面上项目（研究成员）
7. 2000.1-2002.12 图、多面体与数学化学 国家自然科学基金面上项目（研究成员）
8. 2005.9-2007.8 图的若干拓扑指标及相关问题的研究 福建省自然科学基金（主持）
9. 2002.1-2004.12 某些分子图类能量及度距离问题的研究 福建省教育厅科技项目（主持）
10. 1999-2001 特殊分子图类的拓扑性质研究 福建省教育厅科技项目（主持）

### 获奖成果

- 图论研究中的若干问题，2004年福建省科学技术奖二等奖（1）
- 图的色等价与色唯一性，1995年青海省科技进步三等奖（2）
- Bounds on the second largest eigenvalue of a tree with perfect matchings, 福建省第五届自然科学优秀论文二等奖

### 已发表的主要研究论文

[1] J. Li, W. C. Shiu, A. Chang, On the  $k$ th Laplacian eigenvalues of trees with perfect matchings, *Linear Algebra and its Applications*, 432 (2010) 4, 1036-1041.

[2] J. Li, W. C. Shiu, A. Chang, The number of spanning trees of a graph, APPLIED MATHEMATICS LETTERS, 23 (3) (2010), 286-290.

[3] J. Li, W. C. Shiu, W. H. Chan, A. Chang, On the spectral radius of graphs with connectivity at most  $k$ , J. of Mathematical Chemistry, (2009) 46:340 - 346, DOI 10.1007/s10910-008-9465-5

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[5] Yuan Hou, An Chang, Minimum degree distance of unicyclic graphs with perfect matching, J. Fuzhou Univ. Nat. Sci. Ed.36 (2008), No.3,323-326.

[6] Li, Jian Xi; An Chang, Some applications on the method of eigenvalue interlacing for graphs.J. Math. Res. Exposition28 (2008), no. 2,251--256.

[7] J. Li, An Chang, W. C. Shiu, On the Nullity of Bicyclic Graphs, MATCH Commun. Math. Comput. Chem.Vol. 60 (2008) No.1, 21-36.

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[10] Wenhuan Wang, An Chang, Dongqiang Lu, Unicyclic graphs possessing Kekule structures with minimal energy, J. of Mathematical Chemistry, Vol.42(2007), No.3, 311-320.

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[14] Wei Li, An Chang, On the tricyclic graphs whose second largest eigenvalue does not exceed 1, J. of Xinjiang University (Nat. Sci. Ed.) 23 (2006), Supp., 36-43.

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[17] Pin Long You, Yi Rong Zhen, An Chang, Characterizing eccentric graphs of some graphs, J. Fuzhou Univ. Nat. Sci. Ed.34 (2006), No.1,5-9.

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[19] An Chang, Feng Tian, Aimei Yu, On the index of bicyclic graphs with perfect matchings, Discrete Mathematics, 283 (2004), 51-59.

[20] An Chang, On the largest eigenvalue of a tree with perfect matchings, Discrete Mathematics, 269 (2003), 45-63.

[21] An Chang, Qunxiang Huang, Ordering trees by their largest eigenvalues, Linear Algebra and its Applications,370 (2003), 175-184.

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