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專長學科：[1]逼近論 [2]數值數學

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學位論文：

1. Luh, Lin-Tian (1998/5). Characterizations of Native Spaces. Ph.D. dissertation, Georg-August-Universität Göttingen, Germany.

2. Luh, Lin-Tian (1985/1). On Regular Open Sets. Master Thesis, Oxford University, U.K.

期刊論文：

1. Luh, Lin-Tian (2019/1). The choice of the shape parameter--A friendly approach. EABE [SCI](IF 1.925), Vol. 98, p.p.103-109. [SCI]
2. Luh, Lin-Tian (2016/1). The mystery of the shape parameter III. Appl. Comput. Harmon. Anal. [SCI](IF 3.055), No. 40, p.p.186-199. [SCI]

3. Luh, Lin-Tian (2014/7). The Mystery of the Shape Parameter IV. Eng Anal Boundary Elem[SCI](IF1.643), Vol. 48 , p.p.24 -31 .[SCI]
4. Luh, Lin-Tian (2013/6). The Shape Parameter in the Gaussian Function II. Eng Anal Boundary Elem[SCI](IF1.643), Vol. 37 , No. 5 , p.p.988 -93 .[SCI]
5. Luh, Lin-Tian (2012/11). The Shape Parameter in the Shifted Surface Spline III. Eng Anal Boundary Elem[SCI](IF:1.625), Vol. 36 , p.p.1604 -1617 .[SCI]
6. Luh, Lin-Tian (2012/2). The Shape Parameter in the Gaussian Function. Comput Math Appl[SCI](IF:2.069), No. 63 , p.p.687 - 694 .[SCI]

7. Luh, Lin-Tian (2011/4/30). A Fast Convergent Error Bound for Gaussian Interpolation. Progress in Applied Mathematics[DOAJ], Vol. 1 , No. 2 , p.p.1 -11 .
8. Luh, Lin-Tian (2011/1/15). The Crucial Constant in the Exponential-Type Error Estimate for Shifted Surface Spline Interpolation. International Journal of Numerical Methods and Applications[MathSciNet], Vol. 5 , No. 1 , p.p.1 -14 .
9. Luh, Lin-Tian (2010/11/30). A New Error Bound for Shifted Surface Spline Interpolation. Studies in Mathematical Sciences[DOAJ], Vol. 1 , No. 1 , p.p.1 -12 .

10. Luh, Lin-Tian (2010/2). The Matching of the Derivatives in the Exponential-type Error Estimates of Radial Basis Functions. Oriental Journal of Mathematics, Vol. 2 , No. 1 , p.p.1 -10 .
11. Luh, Lin-Tian (2009/6). An Improved Error Bound for Multiquadric and Inverse Multiquadric Interpolations. International Journal of Numerical Methods and Applications[MathSciNet], Vol. 1 , No. 2 , p.p.101 -120 .
12. Luh, Lin-Tian (2009/6). On Wu and Schaback's Error Bound. International Journal of Numerical Methods and Applications[MathSciNet], Vol. 1 , No. 2 , p.p.140 -160 .

13. Luh, Lin-Tian (2008/6). The Crucial Constants in the Exponential-type Error Estimates for Gaussian Interpolation. Analysis in Theory and Applications[Scopus], Vol. 24 , No. 2 , p.p.183 -194 .
14. Luh, Lin-Tian (2001/1). The Embedding Theory of Native Spaces. Approximation Theory and its Application[MathSciNet], Vol. 17 , No. 4 , p.p. 90 -104 .
15. Luh, Lin-Tian (2001/1). The Equivalence Theory of Native Spaces. Approximation Theory and its Application[MathSciNet], Vol. 17 , No. 1 , p.p. 76 -96 .

會議論文：

1. Luh, Lin-Tian (2019/7/22–2019/7/24). The Optimal Choice of the Shape Parameter in Smooth RBFs--II. BeTeq, BeTeq.
2. Luh, Lin-Tian (2018/6/28–2018/7/4). The Optimal Choice of the Shape Parameter in Smooth RBFs. French SIAM, 9th International Conference on Curves and Surfaces, Arcachon.
3. Luh, Lin-Tian (2017/7/11–2017/7/13). The Choice of the Shape Parameter in a Purely Scattered Data Setting II. BeTeq, 18th International Conference on Boundary Element and Meshless Techniques.
4. Luh, Lin-Tian (2016/7/11–2016/7/13). The Choice of the Shape Parameter in a Purely Scattered Data Setting. BeTeq, 17th

International Conference on Boundary Element and Meshless
Techniques, 2016, Ankara.

5. Luh, Lin-Tian (2015/7/6–2015/7/8). A Direct Prediction of the
Optimal Choice of the Shape Parameter in the Radial Basis
Functions. BeTeq, International Conference on Boundary Element and
Meshless Techniques XVI.
6. Luh, Lin-Tian (2014/7/15–2014/7/17). The Shape Parameters in the
Radial Basis Functions. BeTeq, 15th International Conference on
Boundary Element Technique and Mesh Reduction Methods.

7. Luh, Lin-Tian (2013/8/26-2013/8/30). The Criteria of Choosing the Shape Parameter for Radial Basis Function Interpolations. ENUMATH, ENUMATH 2013, Laussane.
8. Luh, Lin-Tian (2012/6/28-2012/7/3). Evenly Spaced Data Points and the Shape Parameter in the Multiquadric Function. University of Oslo, The Eighth International Conference on Mathematical Methods for Curves and Surfaces.
9. Luh, Lin-Tian (2011/6/28). Evenly Spaced Data Points and Radial Basis Functions. Boundary Elements and other Mesh Reduction Methods XXXIII(MathSciNet and Scopus) (p. p. 265-272). Wessex Institute of Technology.

10. Luh, Lin-Tian (2010/6/24–2010/6/30). The Choice of the Shape Parameter. SMAI–AFA, The Seventh International Conference on Curves and Surfaces. Avignon, France.
11. Cheng, Alexander*, Luh, Lin-Tian, Huang, C.S. (2009/9/31–2009). Shape Factor in Multiquadric Collocation for High Accuracy Interpolation. BEM, Boundary Element Methods. New Forest, UK.
12. Luh, Lin-Tian (2009/6/29–2009/7/3). RBF: The Optimal Choice for the Shape Parameter. University of Uppsala, The Eighth European Conference on Numerical Mathematics and Applications. Uppsala, Sweden.

13. Luh, Lin-Tian (2008/6/26–2008/7/1). An Improved Error Bound for Gaussian Interpolation. The Norwegian Association of Approximation Theory, The Seventh International Conference on Mathematical Methods for Curves and Surfaces. Tonsberg, Norway.
14. Luh, Lin-Tian (2007/7). An Extension of the Exponential-Type Error Bounds for Multiquadric and Gaussian Interpolations. Proceedings of the ECCOMAS Thematic Conference on Meshless Methods, 2007/7, Porto, Portugal:ECCOMAS (p. p. 227–231). Porto, Portugal:ECCOMAS.
15. Luh, Lin-Tian (2006/6/29–2006/7/5). On the High-Level Error Bound for Gaussian Interpolation. SMAI-AFA, The Sixth International Conference on Curves and Surfaces. Avignon, France.

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17. Luh, Lin-Tian (2004/7/1–2004/7/7). On Wu and Schaback's Function Space. The Mathematical Methods for Curves and Surfaces. Tromso, Norway.
18. Luh, Lin-Tian (2002/6/27–2002/7/3). Sobolev Spaces and Native Spaces. The Fifth International Conference on Curves and Surfaces. Saint-Malo, France.

19. Luh, Lin-Tian (1999/1). Characterizations of Native Spaces. Curves and Surfaces Fitting (p.p.300-307). Saint-Malo, France.

研究報告（研究計畫）：

1. 陸林天(20190801~20200731)。徑向基函數之理論及應用（科技部，MOST 108-2115-M-126-004）。
2. 陸林天(20040801~20060731)。徑向基函數之理論及應用（科技部，NSC 93-2115-M-126-004）。
3. 陸林天(20020801~20030731)。徑向基函數之理論及應用（科技部，NSC 91-2115-M-126-002）。

學術榮譽與活動：

1. (2011/1-2014/1) ◦ Progress in Applied Mathematics ◦ editor ◦
2. (2010/11-2011/12) ◦ Studies in Mathematical Sciences ◦ editor ◦

其他著述：

1. Luh, Lin-Tian(2007/5/31). The Key Results of RBF. 專題演講.
2. Luh, Lin-Tian(2007/5/18). A Simple Introduction and Recent Development of RBF. 專題演講.