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研究方向：无网格法、弹性波及多孔介质弹性波问题的数值模拟

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学习经历：

2006.9 - 2010.6：　河海大学　信息与计算科学 (本科)

2010.9 - 2015.12：　河海大学　工程力学 (博士)

2014.8 - 2015.8：　美国密西西比大学　工程学院 (访问学者)

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2016.2-2019.6：　南通大学理学院　讲师

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主持及参与科研项目：

1、国家自然科学基金,11602114,多层非饱和孔隙介质动力响应的奇异边界法研究，2017.01-2019.12, 20 万，结题、主持；

2、 国家自然科学基金,11771224,多尺度约化高效计算在多参数多相流奇异摄动问题的研究与应用, 2018.01-2021.12, 参与；

3、 国家自然科学基金,11771225,压电结构无网格离散中结构化鞍点问题的高效预处理方法与收敛性理论, 2018.01-2021.12, 参与；

主要期刊论文：

1. **Linlin Sun**, Wen Chen, Chuanzeng Zhang. A new formulation of regularized meshless method applied to interior and exterior anisotropic potential problems. *Applied Mathematical Modelling* 37.12 (2013): 7452-7464.

2. **Linlin Sun**, Wen Chen, A.H.-D. Cheng. Method of fundamental solutions without fictitious boundary for plane time harmonic linear elastic and viscoelastic wave

problems. *Computers & Structures* 162 (2016): 80-90.

3. **Linlin Sun**, Wen Chen, Alexander H.-D. Cheng. Singular boundary method for 2D dynamic poroelastic problems. *Wave Motion*, 61 (2016): 40-62.

4. **Linlin Sun**, Wen Chen, Alexander H-D. Cheng. Evaluating the origin intensity factor in the singular boundary method for three-dimensional dirichlet problems. *Advances in Applied Mathematics and Mechanics* 9.6 (2017): 1289-1311.

5. **Linlin Sun**, Wen Chen, Alexander H-D. Cheng. One-step boundary knot method for discontinuous coefficient elliptic equations with interface jump conditions. *Numerical Methods for Partial Differential Equations* 32.6 (2016): 1509-1534.

6. **Linlin Sun**, Xing Wei. A frequency domain formulation of the singular boundary method for dynamic analysis of thin elastic plate. *Engineering Analysis with Boundary Elements* 98 (2019): 77-87.

7. **Linlin Sun**, Xing Wei, Bin Chen. A meshless singular boundary method for elastic wave propagation in 2D partially saturated poroelastic media. *Engineering Analysis with Boundary Elements* 113(2020): 82-98.

8. **Linlin Sun**, Xing Wei, Liu Chu. A 2D frequency-domain wave based method for dynamic analysis of orthotropic solids. *Computers & Structures* 238.2 (2020): 106300.

9. **Linlin Sun**, Cong Zhang, Yue Yu. A boundary knot method for 3D time harmonic elastic wave problems. *Applied Mathematics Letters* 104 (2020): 106210.

10. **Linlin Sun**, Zhikang Chen, Suyu Zhang, Liu Chu. A wave based method for two-dimensional time-harmonic elastic wave propagation in anisotropic media. *Applied Mathematics Letters* 120.11 (2021): 107292.