



Xiang-E Lei Postdoctoral Fellow

雷湘鄂 博士後研究 (2012/11 ~ 2014/7/31)

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Research interest: Geodesy, Geophysics, Geodynamics

研究領域：大地測量學、地球物理學、地球動力學

Education

- 3/2004, Ph.D., Institute of Geodesy and Geophysics, Chinese Academy of Sciences
博士，中國科學院測量與地球物理研究所 固体地球物理學專業
- 07/1998, M.S., Institute of Seismology, China Earthquake Administration
碩士，中國地震局地震研究所 大地构造与地球動力學專業
- 07/1995, B.S., Department of Geophysical Exploration, Yangtze University
學士，江漢石油學院（現：長江大學） 石油勘探專業

Experiences

- 11/2012-07/2014, Postdoctoral Fellow, Institute of Earth Sciences, Academia Sinica.
博士後研究員，中央研究院 地球科學研究所
- 11/2006-01/2007, Visit-Scientist, Deutsches GeoForschungsZentrum (GFZ).
訪問科學家，德國地球科學中心
- 12/2004-07/2007, Postdoctoral Fellow, Institute of Earth Sciences, Graduate University of Chinese Academy of Sciences. 博士後研究員，中國科學院研究生院 地球科學學院
- 04/2004-Present, Associate Professor, Institute of Geodesy and Geophysics, Chinese Academy of Sciences. 副研究員，中國科學院測量與地球物理研究所
- 07/1998-02/2000, Research Assistant, Institute of Seismology, China Earthquake Administration.
研究助理，中國地震局地震研究所

Journal Publications

1. **Lei X. E.**, H. P. Sun, H. Z. Xu. Detection and interpretation of the Earth's free oscillations excited by the great Sumatra-Andaman earthquake with GGP station data. *Earthq. Sci.*, 2011, 24:151-162, doi:10.1007/s11589-010-0780-0.

2. Yang Z., H.P. Sun, **X.E. Lei**, X.D. Chen. Study of normal mode based on the changes of stratified structure parameters. Chinese J.Geophys. (in Chinese),2010,53(4): 815-824, doi: 10.3969/j.issn.0001-5733.2010.04.006
3. **Lei X. E.**, H. P. Sun, H. Z. Xu, Y.L. Shi. Check of Earth's free oscillations excited by Sumatra-Andaman Large Earthquake and discussions on the anisotropy of inner core. Sci. China Ser. D-Earth Sci., 2007, 50(6):909-917, doi: 10.1007/s11430-007-0028-6.
4. Park,J., TR.A.Song, J. Tromp, E. Okal, S. Stein, G. Roullet, E. Clevede, G. Laske, H. Kanamori, P. Davis, J. Berger, C. Braitenberg, M. Van Camp, **X. Lei**, H. Sun, H. Xu, S. Roast. Earth's free oscillations excited by the 26 December 2004 Sumatra-Andaman earthquake, SCIENCE, 2005, 308(5725): 1139-1144.
5. **Lei X.**, H. Xu, H. Sun. Detection of spheroidal free oscillation excited by Peru 8.2 Ms earthquake with five international superconducting gravimeter data. Sci. China Ser. D-Earth Sci., 2005, 48(1):123-133, doi: 10.1360/02yd0497.
6. **Lei X.**, H. Xu, H. Sun. Check of free oscillation signal with SG data. Chinese Science Bulletin, 2002, 47(18):1573-1578.
7. **Lei X. E.**, H. Z. Xu., H. P. Sun. Preliminary results of the Earth's free oscillations after Peru earthquake observed using a SG in China. Bull D'infor Marees Terrestres, 2002, 135:10713-10715.
8. **Lei X.**, H. Xu. Tri-frequency spectrum method and results for resolving the parameters of Earth's liquid core free nutation. Sci. China Ser. D-Earth Sci., 2002, 45(4):325-336.
9. **Lei X.**, M. Jia, H. Li. The Akp-Btk value method and the results for the retrieval of the parameters of the Earth's free core nutation. Acta Seismologica Sinica, 2000, 13(3):342-350, doi: 1000-9116(2000)03-0342-09.