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简历:

陈景波, 男, 博士, 研究员, 博士生导师。2001年6月在中国科学院数学与系统科学研究院获博士学位, 2001年7月至2003年8月在中国科学院理论物理研究所做博士后, 2003年9月到中国科学院地质与地球物理研究所油气资源室工作。担任勘探地球物理学家学会(SEG)会员和美国数学学会数学评论评论员。担任国内外多种学术期刊的评审和SEG年会论文的评审。担任国际期刊《Journal of Geophysics & Remote Sensing》编委。主持和参加完成国家自然科学基金项目、973项目和863项目多项。

主要研究领域包括地震波数值模拟、地震偏移成像、全波形反演和微分方程保结构算法等。在地震波数值模拟方面, 发展了地震波数值模拟的保结构算法, 在保持算法的效率的基础上提高了算法的整体精度; 在地震偏移成像方面, 系统地发展了地震波算子的可分近似理论和算法, 提高了地震波算子的近似算法在强横向变速地质条件下的精度, 同时保持了算法的效率。

已发表学术论文48篇, 其中SCI收录43篇。论文被SCI引用260次。关于地震波数值模拟高精度算法的论文进入期刊《Geophysical Prospecting》2011年度引用率排名前十。

研究方向:

地震波传播和成像

学科类别:

地球物理学

职务:

社会任职:

获奖及荣誉:

承担科研项目情况:

1. 地震成像几何算法及GPU/CPU协同并行计算, 国家自然科学基金, 2010.1-2012.12, 主持。
2. 三维地震偏移成像最优可分近似理论和算法, 国家自然科学基金, 2008.1-2010.12, 主持。
3. 三维波动方程叠前偏移的几何算法, 国家自然科学基金, 2005.1-2007.12, 主持。
4. 角度道集合成技术和层间多次波压制方法, 863项目子课题, 2006-2010, 参加。
5. 保持动力学特性的地震成像方法, 973项目子课题, 2007-2011, 参加。

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17. Jing-Bo Chen, Hong Liu and Deng-Guo Zhou, 2007, A Hamiltonian framework for wavefield depth continuation in seismic imaging, **Wave Motion**, 44, 385-394.
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