

# OIL GEOPHYSICAL PROSPECTING

No. 1—6, 1983

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• 新书介绍 •

**垂直地震剖面** [苏]E.I.加尔彼林著,朱光明、肖慈绚、余惠宁等译。定价1.30元。本书是关于垂直地震剖面法在目前能见到的唯一的一本专著,它系统地介绍了垂直地震剖面法的基本原理、仪器、野外工作方法和垂直剖面上波的运动学和动力学特点以及波的对比和资料解释方法,书中还专门讨论了质点的运动轨迹,系统地研究了直达波、反射波、首波、折射波以及横波和各种转换波的形成和传播的规律。

**地震偏移——波场外推法声波成像** A.J.别尔克豪特著,马在田、张叔伦译。定价1.20元。本书是地震偏移的一本专著,书中全面地讨论了地震偏移的原理和方法,对现代偏移技术的各种方法做了详细的分析,并提出了一些独特的方法。

**地球物理勘探概论** [美]M.B.多布林著,吴晖译。定价2.55元。本书以地震勘探为重点系统地论述了地震、重力、磁力和电法的基本原理、仪器、方法及其在石油和矿物勘探中的应用,本书还涉及到地球物理资料处理、海洋地震资料的采集及海上地震勘探设备、反射法直接找油气、用地震反射波法研究地层等。综观全书基本上以新技术为中心,反映了地球物理勘探的现代水平。

**反射地震学——能源勘探的工具** [美]K.H.沃特斯著,许云、吴荣祥译。定价1.95元。本书着重论述地震勘探的新方法、新技术和新概念,比较全面地总结和反映了地震勘探方法当代的发展水平。书中主要论述野外设备技术、主要数字处理技术、双相介质理论、波动方程偏移、地震地层学、合成地震记录、拟测井技术、地震模拟技术、地层圈闭勘探等方法,也论述了正在酝酿之中的横波勘探、高频勘探、三维地震、彩色显示技术等。

以上新书已由石油工业出版社正式出版,新华书店北京发行所发行,需购书者可直接和出版社及发行所联系。