

李汉林, 赵永军. 岩性识别的多元统计方法[J]. 地质论评, 1998, 44(1): 106-112

岩性识别的多元统计方法 [点此下载全文](#)

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基金项目:

DOI:

摘要:

识别地层岩性是在地层对比, 沉积相分析等地质研究中的重要任务, 在岩心资源较少, 测井资料较多的情况下, 利用多元统计分析进行地层岩性识别则是一种有效方法, 为此, 本文在胜利油田永一沙田砾岩体实际资料的基础上, 通过取心井岩心和相应测井曲线的对应特征分析, 应用判别分析方法, 挑选了对岩性识别能力强的测井参数, 确定了相应的岩性识别函数, 利用该函数可以快速反应不同深度点上的地层岩性, 并绘制相应的岩性剖面图等, 为进一

关键词: [岩性识别](#) [判别分析](#) [测井资料](#) [岩石](#) [多元统计](#)

Multivariate Statistical Method of Lithologic Recognition [Download Fulltext](#)

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Fund Project:

Abstract:

To recognize the lithology of strata is a very important task of such geological studies as stratigraphic correlation and sedimentary facies analysis. When there are scanty core data and more well log data, multivariate statistical analysis is a very effective method to recognize the lithology of strata. So, on the basis of the data from the Yong-1 and Sha-4 conglomerate body of the Shengli oilfield and through an analysis of the correlative characters of drilling cores and well logs, some well log parameters that are usable in recognizing lithology have been selected by using discriminative analysis and the related functions of lithological recognition has been determined. By using this function the lithologies of strata at different depth points can be reflected very quickly, and the lithological column can be drawn, which provides the basic data for a further geological study.

Keywords: [lithologic recognition](#) [discriminative analysis](#) [well log](#) [lithologic column](#)

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