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摘要:

台湾浅滩陆坡具有活跃的重力流机制,发育了壮观的重力流沉积体系,是研究重力流动力学作用过程的理马尼拉海沟,发育了三个地貌坡折(包括一个陆架坡折和两个陆坡坡折)。这些地貌坡折控制了重力(流)的定重力流沉积体系的空间分布格局。其中陆架坡折控制了重力滑塌的产生,第一和第二陆坡坡折则分别控制了重力论文利用重力流沉积物波的波形参数恢复了重力流流体有关参数,实证了研究区的确存在有非常活跃的重力流材地貌的不均衡和向均衡的演化,重力流的侵蚀一沉积效应只是陆坡体系调整过程的表现。

关键词: 南海 台湾浅滩陆坡 重力流 地貌坡折 流体参数

The Control of the Multiple Geomorphologic Breaks on Evolution of Gravity Flow Dynar Environment Download Fulltext

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Abstract:

Gravity flow was active in Taiwan Shoal Slope and deposited the spectacular correspondingly been the perfect area of the study on process of the gravity flow. At least three geomorphologic I break and two slope break exist from shelf front to abyssal Manila Trench. These breaks control the evolution of the gravity flow and control the distributing framework of kinds of gravity-flow-deposhelf break control the initiation of the mass waste and the first and second slope break control slump, debris flow and turbidity flow respectively. After utilizing the parameters of waveform of correspondingly rheology of gravity flow was reconstructed and assert the existence of the active breaks mark the unequilibrium of the slope system and the slope profile's evolution to the equil erosion-deposition of gravity flow is only the superficial expression of the adjustment of the slope

Keywords: the South China Sea, Taiwan Shoal Slope Gravity flow Geomorphologic Break, Rhology