

Geological Society of Malaysia - Annual Geological Conference 1990

EARLY MESOZOIC TECTONISM IN PENINSULAR MALAYSIA: A COMBINED STRIKE-SLIP-PLUME MODEL

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Late Palaeozoic-Mesozoic tectonism in Peninsular Malaysia is a subject of active study and debate. All published tectonic models have deficiencies of varying degrees. A satisfactory model has yet to emerge.

Models devoted to ideas of subduction and collision, though appealing, are untenable in as much as they either fail to explain, or wrongly interpret, many geological data. Results from structural and petrological studies are brought to bear upon this point.

A model based on strike-slip tectonics in conjunction with mantle plume is discussed that can accommodate most of the relevant geological features of the time.