

# A new technique to measure crustal stresses based on histerisis of AE activity during load-unload cycle

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We propose a new technique to measure crustal stresses based on histerisis of AE activity during load-unload cycle. In this technique, the crustal stress is determined as a bend of AE rate ratio for the 1st loading to that for the 2nd loading. Because AE rate for the 2nd loading is generally higher than that for the 1st loading, observed AE rate histerisis may not be explained only by Kaier effect which is the principle of the ordinal AE method.