Monitoring the Displacement of the Ba River Fault Zone of Vietnam Using GNSS Technology

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SUMMARY

The monitoring of deformation due to the impact of faults and landslides due to the impact of climate change is a problem arising from the reality. In this paper, on the basis of applying the theory of Kalan filter with GNSS data in the Ba River region(in the central part of Vietnam) to analyze the displacement. The data of the first 3 cycles has been used to forecast the displacement in the 4th cycle and compare with the actual measurement results of the 4th cycle. Carry out experimental calculations with specific data in the territory of Vietnam. This is a technology that can enable effective use of GNSS technology for environmental analysis in mining and geological research.