

## **Assessment of the Incidence of Landslides Using of Numerical Information**

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Recently, a railway often suffers damage by a landslide that occurs at the natural slope beside a railway. If we check stability of all natural slopes beside a railway, we will need a huge amount of time and expenses. Therefore, it is important to develop an efficient and reasonable management method for natural slopes. In this research, we quantified the factors of landslides such as geomorphologic features and vegetation, using a digital elevation model and a digital surface model. Then we extracted the place that a landslide may be generated by use of the evaluated factors.