



Agricultural Journals

Research in

**AGRICULTURAL
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Res. Agr. Eng.

Štollmann V., Ilčík Š.:

**Assessment of the
current theory for
projecting cableway**

routes in terms of the risk level in overloading

Res. Agr. Eng., 55 (2009): 35-38

The article deals with the safety of labour and of technical equipment in timber skidding using forest cableways. It analyses the applicability of the current theory used for designing cableway routes from the point of view of safety in terms of an excessive overload. The analysis, which was carried out using situational models, has shown that the skyline will break as a result of several fold excess of the safe working load. The value of the buckling load is in such case at least 3.5 times higher than that of the safe working load. Our results have