

Response analysis and collapse simulation of typical latticed tower subjected to gust in high altitude deep canyon

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ABSTRACT

Gust in high altitude deep canyon shows much difference from ABL flow in many wind parameters, hence unexpected structure response which challenges traditional structure design. The collapse of cable crane which expand for 672m in longitudinal direction happen during construction of Murong Bridge in Sichuan, China. The gust wind model was established and cable crane model was built up for response calculation while trying to replicate collapse process.....



Fig. 1 Collapse of the cable crane during construction of Murong Bridge

REFERENCES

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