

The main goal 597

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The purpose of the research developed inside this project is to evaluate the isolation degree in case of the antiseismic isolation passive control systems for different levels of viscoelastic links degradation included in bridges and viaducts structure, loaded on vibrations from the road traffic and seismic activities.

The project follows two priority directions:

- The determination of some dynamic correlations that rule the operation of the antiseismic protection systems with viscoelastic links, focused on the link between their non-linear behaviour character and the degradation degree of the viscoelastic links;
- The deficient operation risk evaluation of the antiseismic systems on the structural stability and integrity of the goals regarded.