## Global safety formats in *fib* Model Code 2010 for design of concrete structures

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Abstract: Model Code 2010 introduces non-linear analysis in design of concrete structures requires an alternative approach to safety verification and related global safety format. Several methods for verification of limit states using non-linear analysis are presented: full probabilistic method, method ECOV based on the estimate of resistance variation, global safety factor according to EN1992-2 and partial safety factors. The methods are compared on several examples of reinforced concrete structures ranging from ductile to brittle modes of failure.

Keywords: non-linear analysis, safety formats, fracture mechanics.