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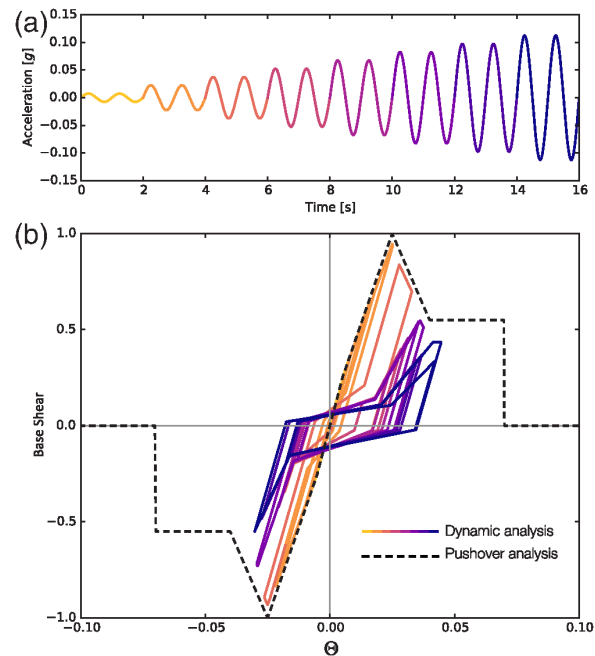


Figure Legend:

(a) A 1-Hz acceleration sinusoid with amplitude increasing at each cycle from 0.008g to 0.12g in increments of 0.01g per cycle. Such a sinusoid is used as acceleration input to the spring 1a FEMA model. (b) Force-deformation backbone curve of the spring 1a model shown as base shear normalized by the base shear at yielding versus drift ratio. The color version of this figure is available only in the electronic edition.