

## Safety And Reliability Of Bridge Structures

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### Safety And Reliability Of Bridge

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Its governing equation of motion is  $\ddot{n}(t) + (9 + 2\zeta)\dot{n}(t) + 9n(t) = n_w(t)$  (4.5) SAFETY AND RELIABILITY OF SUSPENSION BRIDGES 285 in which 9 and  $9\zeta$  represent the predominant frequency of the foundation layer and the damping effects, respectively.  $n_w(t)$  is the white noise with zero mean and correlation of  $E\{n_w(t_1)n_w(t_2)\} = D\delta(t_1 - t_2)$  (4.6) where the constant D is the level of intensity attained at the base of the foundation.

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