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determine the number of free vibration cycles required to reduce the Solution: $I \hat{a}^{\circ\circ} 2 \hat{a} \ddagger \hat{a}^{\circ\circ} 2 \hat{a} \hat{\sim} \hat{a}^{\circ\circ}$

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transform of a signal $x(t)$ is defined by (36)

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structure's motion $\hat{\omega}$ period of this mode is the longest $\hat{\omega}$ shortest natural frequency and $\hat{\omega}$ first eigenvector Ref. Anil K. Chopra: Dynamics of Structures, Theory and Applications to Earthquake Engineering, Second Ed. 17

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Biography. Anil K. Chopra received his Bachelor of Science degree in Civil Engineering from Banaras Hindu University, India, in 1960, the Master of Science degree from the University of California, Berkeley, in 1963, and the Doctor of Philosophy degree, also from Berkeley, in 1966.

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deformation due to sinusoidal force. This is same as EQ. (3.2.11) for the amplitude of Substituting for C and D gives $(0/0n)Z] \cos a\frac{3}{4} + \sin ax$

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