

BRIEF NOTE ON THE FORCED RESPONSE OF A SPRING-MASS SYSTEM.

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It is well known that the transmissibility coefficient (ϵ) of a spring-mass system is given by $\epsilon = \frac{K/M}{(K/M) - p^2}$ where K , M and p are respectively the spring rigidity, lumped mass and externally applied frequency. This expression is obtained on the assumption of a mass-less spring. The purpose of this article is to find an expression for ϵ taking into consideration the mass of the spring.