

Quesiti prova orale

1)

Prove non distruttive in situ su manufatti.

Gli organi di governo dell'Ateneo e le loro funzioni.

Uso di funzioni su modulo Excel

"As mentioned earlier, the process by which free vibration steadily diminishes in amplitude is called damping. In damping, the energy of the vibrating system is dissipated by various mechanisms, and often more than one mechanism may be present at the same time. In simple "clean" systems such as the laboratory models of Fig. 1.1.4, most of the energy dissipation presumably arises from the thermal effect of repeated elastic straining of the material and from the internal friction when a solid is deformed."

Pag.12 cap.1.4, Damping Force, Vol. Dynamics of structures, fifth Edition,
Autore A. K. Chopra



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Quesiti prova orale

2)

Processi di controllo sulla produzione in stabilimento di prodotti per l'edilizia.

Le elezioni del Rettore: indizione e regole generali.

Utilizzo dei sistemi di archiviazione Cloud. Integrità e protezione dei dati.

"In actual structures, however, many other mechanisms also contribute to the energy dissipation. In a vibrating building these include friction at steel connections, opening and closing of microcracks in concrete, and friction between the structure itself and nonstructural elements such as partition walls. It seems impossible to identify or describe mathematically each of these energy-dissipating mechanisms in an actual building."

Pag.12 cap.1.4, Damping Force, Vol. Dynamics of Structures, Fifth Edition, Autore A. K. Chopra



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Quesiti prova orale

3)

Gli strumenti di misura per la verifica di spostamenti e fessurazioni.

I laboratori di Ateneo: costituzione, funzioni, organizzazione.

Limiti, pregi e funzionamento degli strumenti di AI

"As a result, the damping in actual structures is usually represented in a highly idealized manner. For many purposes the actual damping in a SDF structure can be idealized satisfactorily by a linear viscous damper or dashpot. The damping coefficient is selected so that the vibrational energy it dissipates is equivalent to the energy dissipated in all the damping mechanisms, combined, present in the actual structure."

Pag.12 cap.1.4, Damping Force, Vol. Dynamics of structures, fifth Edition, Autore A. K. Chopra



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Quesiti prova orale

5)

Prove di caratterizzazione su calcestruzzo fresco e indurito.

Sicurezza e salute dei lavoratori sul luogo del lavoro

Differenza tra software e hardware

"Unlike the stiffness of a structure, the damping coefficient cannot be calculated from the dimensions of the structure and the sizes of the structural elements. This should not be surprising because, as we noted earlier, it is not feasible to identify all the mechanisms that dissipate vibrational energy of actual structures. Thus vibration experiments on actual structures provide the data for evaluating the damping coefficient."

Pag.13 cap.1.4, Damping Force, Vol. Dynamics of structures, fifth Edition, Autore A. K. Chopra



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6) Prove di caratterizzazione meccanica su acciai da costruzione.

Internet, Navigazione e Web. Come muoversi all'interno della rete globale

Pag.13 cap.1.4, Damping Force, Vol. Dynamics of structures, fifth Edition, Autore
A. K. Chopra



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