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APPLICATIONS OF MATHEMATICS IN ENGINEERING AND SCIENCE
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How Is Math Used in Engineering? - Reference.com

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Engineering fields 1. Electrical Engineering (A.C. Circuits): Resistors, inductors, capacitors, power engineering, analysis of electric magnetic fields and their interactions with materials and structures
Electronics: Digital signal processing, image processing
Engineering Applications

APPLICATION OF MATHEMATICS IN ENGINEERING FIELDS

Engineers need mathematics to construct stable bridges that can withstand wind, as well as vibrations caused by driving or walking. Digital Music Mathematical codes allow the waveforms of sounds and music to be converted into numbers that can be stored on digital devices.

Applications of Mathematics –

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Historically, engineering mathematics consisted mostly of applied analysis, most notably: differential equations; real and complex analysis (including vector and tensor analysis); approximation theory (broadly construed, to include asymptotic, variational, and perturbative methods, representations, numerical analysis); Fourier analysis; potential theory; as well as linear algebra and applied probability, outside of analysis.

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Engineering mathematics - Wikipedia
Applied mathematics is the application of mathematical methods by different fields such as physics, engineering, medicine, biology, business, computer science, and industry. Thus, applied mathematics is a combination of mathematical science and specialized knowledge. The term "applied mathematics" also describes the professional specialty in which mathematicians work on practical problems by ...

Applied mathematics - Wikipedia
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Real-Life Applications of Mathematics | University of ...

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