

Advance mathematics for engineers by chandrika prasad

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Which is the best book for higher engineering mathematics?

Who is the father of advance mathematics? Archimedes is considered the father of mathematics because of his notable inventions in mathematics and science. He was in the service of King Hiero II of Syracuse.

Who invented advanced mathematics? More advanced mathematics can be traced to ancient Greece over 2,500 years ago. Ancient mathematician Pythagoras had questions about the sides of a right triangle. His questioning, research, and testing led to a basic understanding of triangles we still study today, known as the Pythagorean Theorem.

Who is the best maths teacher on YouTube for engineering?

What is the highest level of math for engineers? College algebra is really the foundation for engineering math courses. For the bachelor's in EE, the highest level math course can be the differential equation course that comes on top of the calculus sequence. Courses generally reinforce and build on math skills learned in earlier courses.

What is the hardest engineering math? Fields like electrical, computer, or biomedical engineering often require the most advanced and complex mathematics, including calculus, differential equations, linear algebra, and probability.

Who discovered pi? In fact, his vast knowledge of geometry was what inspired many of his inventions. Archimedes was the first person to calculate an accurate

estimate for pi, which we've since discovered is equal to about 3.14159.

Is Albert Einstein The Father of mathematics? Though Einstein did not make direct contributions to mathematics in the same way that Isaac Newton or Carl Friedrich Gauss did— by developing calculus and number theory, respectively—he made many indirect contributions to mathematics, including the most notable theory of relativity.

Who discovered zero? Aryabhata, a great astronomer of the classic age of India was the one who invented the digit “0” (zero) for which he became immortal but later on is given to Brahmagupta who lived around a century later 22, another ancient Indian mathematician.

Which country contributed most to mathematics? Scholars from the United States are dominating the ranking with 458 scientists representing 45.8% of all leading mathematics scientists.

What are the four types of math? Algebra, Geometry, Calculus, and Statistics & Probability are considered to be the 4 main branches of Mathematics.

Who puts letters in math? 1, page 380). In 1591 Francois Viète (1540-1603) was the first person to use letters for unknowns and constants in algebraic equations. He used vowels for unknowns and consonants for given numbers (all capital letters) in *In artem analyticem isogoge*.

Who is the No 1 teacher of math in India? When it comes to mathematics, few teachers can match the expertise and passion of Anil Doolani Sir, the Best Math Teacher in India. With a Master's degree in Mathematics and a gold medal in the subject, Anil Sir has established himself as one of the most sought-after math teachers in India.

What engineer needs the most math? Chemical and electrical engineering involve higher levels of abstraction. Chemical engineers also need to apply both chemical, electrical, and physical engineering principles at a high level, while an electrical engineering major also entails very high levels of math difficulty.

Who was Einstein's maths teacher? Answer: Albert's math teacher, Mr. Koch, provided Albert with a reference that might help him take admission in a university.

He specified in the reference that Albert was ready to enter into a college for the study of higher mathematics.

What engineer makes the most money?

What is the hardest engineering major?

Which branch of engineering is most mathematical? Electrical engineering is the most math heavy of the engineering disciplines. You rely heavily on differential equations when dealing with advanced circuit analysis and electromagnetism is basically a physics and math course. In a close second is mechanical engineering, which uses dynamics a lot.

What's the easiest engineering degree to get? Computer hardware engineers are among the highest earning engineers, with a median salary of \$138,080. The easiest engineering degrees include civil engineering, environmental engineering, biological systems, engineering technology, computer engineering, industrial engineering, and general engineering.

Which engineering has easiest math? Environmental Engineering It's considered one of the easier engineering majors that you can study though, because it's not as focused on advanced math and physics as other engineering majors.

Is engineering math harder than computer science? Most Scientific and Engineering fields are heavily math oriented, so level of difficulty should be similar. I think this is more a function of the types of science and math you enjoy studying. They're both very challenging if you are doing them right!

Who is India's no. 1 mathematician? Although Aryabhata is considered to be the first mathematician in India, along with it comes the names of many mathematicians including the name of the great mathematician Srinivasa Ramanujan Ji and some great mathematicians like Shakuntala Devi, CR Rao, and CS Seshadri's name also comes.

Why is pi so special? The miraculous fact about Pi is that no matter the size of the circle, the value does not change, making Pi a mathematical constant. Adding to its allure, Pi is also an irrational number which means that its decimal representation has no end and no repeating pattern.

What is Ramanujan formula? Ramanujan's approximate formula, developed in 1918, helped him spot that numbers ending in 4 or 9 have a partition number divisible by 5. He proved for every non-negative integer n , that $p(5n + 4) \equiv 0 \pmod{5}$. Ramanujan found similar rules for partition numbers divisible by 7 and 11.

What is the most useful math for engineering? Engineers use calculus to solve problems involving motion, growth, and change in various systems. From predicting the trajectory of a rocket to analyzing the flow of fluids in pipes, calculus provides the mathematical framework to tackle complex engineering challenges.

Which engineering has highest math? Electrical engineering is the most math heavy of the engineering disciplines. You rely heavily on differential equations when dealing with advanced circuit analysis and electromagnetism is basically a physics and math course. In a close second is mechanical engineering, which uses dynamics a lot.

Do you need higher level maths for engineering? There are many Level 8 degree programmes you can't take if you don't take Higher Level Maths some of which include; engineering, computer science, science, information and computer technology courses and many others that include maths as a core subject.

How can I get better at engineering math?

What is the hardest field in engineering? 1. Nuclear Engineering. Nuclear engineering, one of the toughest engineering in the world, is a branch of engineering sciences that involves designing, developing, operating, and maintaining systems that utilise nuclear energy.

What engineering job requires the most math? Chemical and electrical engineering involve higher levels of abstraction. Chemical engineers also need to apply both chemical, electrical, and physical engineering principles at a high level, while an electrical engineering major also entails very high levels of math difficulty.

What engineering job requires the least math? Biomedical Engineering Engineering concepts in healthcare and medicine are referred to as biomedical engineering. It necessitates a basic understanding of biology, chemistry, and physics; higher mathematics, such as calculus, is unnecessary.

What engineer makes the most money?

What is the easiest engineering degree to get? Computer hardware engineers are among the highest earning engineers, with a median salary of \$138,080. The easiest engineering degrees include civil engineering, environmental engineering, biological systems, engineering technology, computer engineering, industrial engineering, and general engineering.

Why are engineers so good at math? Modeling and Analysis: Engineers use mathematical models to represent real-world systems, whether they are designing structures, optimizing processes, or simulating physical phenomena. Math helps engineers analyze these models, predict outcomes, and make informed decisions.

Do you need advanced maths for engineering? While most engineering degrees will require further maths, there are some that can be studied without this particular A-Level. If you're not sure whether or not you want to study further maths, or if you don't think it's the right subject for you, there are still options available.

Can you be an engineer and not be good at math? As an engineer, do you need to excel at math and math related subjects? I have excellent penmanship and grammar, but I am not so good in subjects correlating to math. From my experience, you do not need to excel at math and science to be a great engineer.

What subject in school is the hardest?

What is the hardest math in engineering degree? Fields like electrical, computer, or biomedical engineering often require the most advanced and complex mathematics, including calculus, differential equations, linear algebra, and probability.

What are the most important math skills for engineers? These fundamental and essential skills are logically grouped into categories that make them easy to learn while also promoting their long-term retention. Among the key areas covered are: Algebra, geometry, trigonometry, complex arithmetic, and differential and integral calculus. Simultaneous, linear, algebraic ...

Do engineers know a lot of math? But do you know what is the most important tool of all the engineers? You guessed it right: Mathematics. From designing cutting-edge technologies to solving complex problems irrespective of their branches all engineers use math to turn their ideas into tangible reality.

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