Mindluster Platform

About the course Linear Algebra for Computer Scientists

Is Linear Algebra difficult? Conceptually it's very hard, but the mechanics aren't hard. Linear Algebra is very different from any other math you will have encountered up to this point. Getting your mind around the geometric basis of everything isn't easy. ... It is actually some of the only higher level math I have used in industry.Is Linear Algebra After calculus? If you are a math major: As an entering student, you will probably go into Calculus II, then Linear Algebra, followed by Calculus III. Is Linear Algebra the hardest math? The pure mechanics of Linear algebra are very basic, being far easier than anything of substance in Calculus. The difficulty is that linear algebra is mostly about understanding terms and definitions and determining the type of calculation and analysis needed to get the required result. The Harvard University Department of Mathematics describes Math 55 as "probably the most difficult undergraduate math class in the country." Formerly, students would begin the year in Math 25 (which was created in 1983 as a lower-level Math 55) and, after three weeks of point-set topology and special topics What's the point of linear algebra? 13 Answers. Linear algebra is vital in multiple areas of science in general. Because linear equations are so easy to solve, practically every area of modern science contains models where equations are approximated by linear equations (using Taylor expansion arguments) and solving for the system helps the theory develop What level is linear algebra? And, linear algebra is a prereq to the math reasoning class, also known as intro to proofs. And, that class is the prereq to 75% of all the upper level math classes. So, it's important to take it early if you want to take other math classes Why is algebra so hard? Algebra is thinking logically about numbers rather than computing with numbers. ... Paradoxically, or so it may seem, however, those better students may find it harder to learn algebra. Because to do algebra, for all but the most basic examples, you have to stop thinking arithmetically and learn to think algebraically.

Computer Science Category's Courses

Course Lesson(7)

Lesson 1 : **Linear Algebra for Computer Scientists 1 Introducing Vectors**

Lesson 2 : **Linear Algebra for Computer Scientists 2 Magnitude of a Vector**

Lesson 3 : **Linear Algebra for Computer Scientists 3 Vector Addition**

Lesson 4 : **Linear Algebra for Computer Scientists 4 Scalar Multiplication of Vectors**

Lesson 5 : **Linear Algebra for Computer Scientists 5 Dot Product of Two Vectors**

Lesson 6 : **Linear Algebra for Computer Scientists 6 The Angle Between Two Vectors**

Lesson 7 : **Linear Algebra for Computer Scientists 7 Linear Combinations of Vectors**

Lesson 8 : **Linear Algebra for Computer Scientists 8 Convex Combinations of Vectors**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

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