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Part Two Is on Algebraic Topology

Preface

Can you find the side lengths of the triangle? | (Area Perimeter) | #math #maths #geometry - Can you find the side lengths of the triangle? | (Area Perimeter) | #math #maths #geometry by PreMath 5,102 views 15 hours ago 10 minutes, 55 seconds - Learn how to find the side lengths of the right triangle. Important **Geometry**, and **Algebra**, skills are also explained: Pythagorean ...

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Simplicial Complexes - Your Brain as Math Part 2 | Infinite Series - Simplicial Complexes - Your Brain as Math Part 2 | Infinite Series by PBS Infinite Series 137,876 views 6 years ago 8 minutes, 31 seconds - Tweet at us! @pbsinfinite Facebook: facebook.com/pbsinfinite series Email us! pbsinfinite[at]gmail[dot]com Previous ...

Intro

Simplex
K Simplex
Simplicial Complexes
Algebraic Topology
Euler Characteristics
Topology
Outro

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Introduction

The stolen necklace problem
The Borsuk Ulam theorem
The continuous necklace problem
The connection

Higher dimensions

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Intro

What is Algebraic Topology?
What are Spectral Sequences?
Funny story about the class

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Poincaré Conjecture - Numberphile - Poincaré Conjecture - Numberphile by Numberphile 2,662,159 views 9 years ago 8 minutes, 52 seconds - The famed Poincaré Conjecture - the only Millennium Problem cracked thus far. More links & stuff in full description below ...

Introduction

What is Poincar

Proof

Grigori Perelman

Who cares about topology? (Inscribed rectangle problem) - Who cares about topology? (Inscribed rectangle problem) by 3Blue1Brown 3,138,015 views 7 years ago 18 minutes - An unsolved conjecture, and a clever **topological solution**, to a similar question. Help fund future projects: ...

Topology

Inscribed square problem

Unordered pairs

Inscribed rectangle problem

How The Most Useless Branch of Math Could Save Your Life - How The Most Useless Branch of Math Could Save Your Life by Veritasium 6,045,585 views 6 months ago 35 minutes - ... Huge thanks to Prof. Colin Adams for his excellent help guiding us through the world of knots. Many thanks to Prof.

Intro

What is a knot

Knots History

Kelvin Tate

Warning Signs

The Not Equivalence Problem

Titration

Invariants

Alexander polynomial

Knot Theory

Not Theory

Brilliant

Topology & Geometry - LECTURE 01 Part 01/02 - by Dr Tadashi Tokieda - Topology & Geometry - LECTURE 01 Part 01/02 - by Dr Tadashi Tokieda by African Institute for Mathematical Sciences (South Africa) 456,089 views 9 years ago 27 minutes - This video forms part of a course on **Topology**, & **Geometry**, by Dr Tadashi Tokieda held at AIMS South Africa in 2014. **Topology**, ...

Introduction
 Classical movie strip
 Any other guesses
 Two parts will fall apart
 Who has seen this before
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 Press. ISBN 0-691-04833-9. Classic brief introduction to differential topology. Munkres, James R.
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 (Second ed.). Upper Saddle River, NJ: Prentice Hall, Inc.... 80 KB (11,088 words) - 19:03, 26 February
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 (2e ed.). Prentice-Hall. ISBN 978-0-13-181629-9. Intended... 92 KB (12,911 words) - 21:54, 5 March
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