We present a new proof of the famous four colour theorem using algebraic and topological methods. This proof was first announced by the Canadian Mathematical Society in 2000 and subsequently published by Orient Longman and Universities Press of India in 2008. Recent research in physics shows that this proof directly implies the Grand Unification of the Standard Model with Quantum Gravity in its physical interpretation and conversely the existence of the standard model of particle physics shows that nature applies this proof of the four colour theorem at the most fundamental level.

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A NEW PROOF OF THE FOUR-COLOUR THEOREM 1. Introduction The four color theorem asserts that every planar graph can be properly colored One of the most important generalizations of the four color theorem is Hadwigers **Math Forum - Ask Dr. Math Archives: Four-Color Map Theorem** A student of mine asked me today to give him a reason for a fact which I did not know was a fact - and do not yet. He says that if a figure be anyhow divided and **Four Colour Theorem - Transum** The four color theorem states that any map--a division of the plane into any number of regions--can be colored using no more than four colors in such a way that **Four-Color Theorem -- from Wolfram MathWorld** method to that for the formal proof of the five color theorem, a formal proof is proposed in this paper of the four color theorem, namely, every planar graph is **Graphs, Colourings and the Four-Colour Theorem (Oxford Science** This page gives a brief summary of a new proof of the Four Color Theorem and a four-coloring algorithm found by Neil Robertson, Daniel P. **The Four Color Theorem-A New Proof by Induction** The Four Color Theorem only applies explicitly to maps on flat, 2D surfaces, but as Ill be talking about, the theorem holds for the surfaces of **A formal proof of the four color theorem - The colorful life of the four-color theorem: A tribute to Kenneth Appel** The four-colour theorem, that every loopless planar graph admits a vertex-colouring with at most four different colours, was proved in 1976 by. Appel and Haken **The Four Color Theorem** The Four-Color Theorem. Graphs. The Solution of the Four-Color Problem. More About Coloring Graphs. The Notorious Four-Color Problem. **Four Color Theorem Brilliant Math & Science Wiki** The Four Color Theorem asserts that every planar graph - and therefore every map on the plane or sphere - no matter how large or complex, is 4-colorable. **The Four-Colour Theorem - YouTube** The four-colour theorem, that every loopless planar graph admits a vertex-colouring with at most four different colours, was proved in 1976 by Appel and Haken, Show that no more than four colours are required to colour the regions of the map or pattern so that no two adjacent regions have the same colour. **The four colour theorem** - 3 min - Uploaded by Math CentreThe four colour theorem states that, given any separation of a plane into contiguous regions **An Update on the Four-Color Theorem** In mathematics, the four color theorem, or the four color map theorem, states that, given any separation of a plane into contiguous regions, producing a figure **The Four Colour Theorem - YouTube** The four colour theorem (also known as the four colour map theorem) states that given any plane separated into regions, such as a political map of the states of **Coloring (The Four Color Theorem) - Math is Fun** - 14 min - Uploaded by NumberphileThis video supported by Squarespace: https:/// numberphile The Four **atorics - Generalizations of the Four-Color theorem** Kenneth Appel, who along with Wolgang Haken, in 1976 gave the first proof of the four-color theorem, died on 19 April 2013, at the age of 80. **Four colour theorem - McGill School Of Computer**

Science Four-Color Map Theorem, a selection of answers from the Dr. Math archives. Four-Color Map Theorem: I hear the Four-color map theorem was either proved or **four-colour map problem**   Four-colour map problem, problem in topology, originally posed in the early the theorem should be considered "proved" in the usual sense. **The Four Color Theorem** - 8 min - Uploaded by Eddie WooMan those kids are pricks, they never shut the fuck up.?. Read more. Show less. Reply 1. Nur PM2 **The Four-Colour Theorem - ScienceDirect** In this paper, we introduce graph theory, and discuss the Four Color Theorem. Then we prove several theorems, including Eulers formula and the Five Color **The Four Color Theorem - MathPages** Last doubts removed about the proof of the Four Color Theorem. At a scientific meeting in France last December, Dr. Georges Gonthier, a mathematician who **Images for The Four Colour Theorem** Four-Color Theorem. Robin Thomas. 848. NOTICES OF THE AMS. VOLUME 45, NUMBER 7. Every planar map of connected countries can be colored using **Putting maths on the map with the four colour theorem**   Abstract: In 1976 Appel and Haken achieved a major break through by thoroughly establishing the Four Color Theorem (4CT). Their proof is **The Notorious Four-Color Problem - Department of Mathematics** Coloring (The Four Color Theorem). This activity is about coloring, but dont think its just kids stuff. This investigation will lead to one of the most famous **The Four Colour Theorem :** Formal Proof—The Four-. Color Theorem. Georges Gonthier. The Tale of a Brainteaser. Francis Guthrie certainly did it, when he coined his innocent little **Four color theorem - Wikipedia** The four-colour theorem is one of the famous problems of mathematics, that frustrated generations of mathematicians from its birth in 1852 to its solution (using **Four Color Theorem Applied to 3D Objects - Math Images - The Math** The Four Colour Conjecture was first stated just over 150 years ago, and finally proved conclusively in 1976. It is an outstanding example of how old ideas can **Formal Proof—The Four- Color Theorem - American Mathematical**   Recently, as a community ambassador for ANU Student Equity, I took to a local secondary school to talk maths with a small group of students. **Last doubts removed about the proof of the Four Color Theorem**

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