Available online at www.sciencedirect.com
ScienceDirect
06 (2018) 10–11
Annals of Discrete Mathematics FC-UNI

El teorema de los cuatro colores☆

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Resumen

In this paper, we will review the definitions about the hyperbolic functions, trigonometric functions and deduce their inverse functions in terms of logarithms and exponentials introducing complex numbers. Hence, we will show the mathematical interrelation between this types of functions. Having already present the established definitions for the hyperbolic functions will look for an analog representation for the trigonometric functions.

Palabras clave: four-color theorem, Kempe's chain, planar graphs

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2. El "camino" hacia la demostración

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Agradecimientos

The authors want to thank the Universidad Nacional de Ingeniería and the Undergraduate Mathematics Group for their hospitality during the visits while preparing this paper.

The authors would like to thank professor Johny Valverde for many valuable and constructive suggestions, that have helped to improve the paper.

☆This paper are available on GitHub.
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[1]Since 1880.

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