

THE DEPARTMENT OF MATHEMATICAL SCIENCES

Indiana University - Purdue University Fort Wayne

is pleased to present

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University of South Alabama

On a Remarkable Infinite Series

Abstract

The Riemann hypothesis concerns the zeros of the Riemann zeta function. In the talk we study another infinite series which we construct by modifying the Riemann zeta function. This function has a resemblance to the Riemann zeta function in respect to the location of its zeros: its zeros are located on a line. So we call this property the “mini Riemann hypothesis.” The function behaves much more simply than the zeta function, so we can think of it as a starting point to get familiar with the zeta function itself.

2:30 Thursday, May 26, 2011.

Location: KT 218

<http://ipfw.edu/departments/coas/depts/math/news/seminars.html>