

sci.math: Re: Roots of $x^3 = 1$;

Re: Roots of $x^3 = 1$;

Source: <http://sci.tech-archive.net/Archive/sci.math/2004-10/8157.html>

From: Stan Brown (*the_stan_brown_at_fastmail.fm*)

Date: 10/28/04

Date: Thu, 28 Oct 2004 11:14:49 -0400

"Saju" <saju.pillai@gmail.com> wrote in sci.math:
>It was also fun reaching Euler's identity by setting $x = i*\theta$ in
>the power series expansion of e^x .

Indeed it is!

For more fun, try setting $x = 2Ai$, and you can easily prove the double-angle formulas.

<http://oakroadsystems.com/twt/twtnotes.htm#DoubleProof>

--

Stan Brown, Oak Road Systems, Tompkins County, New York, USA

<http://OakRoadSystems.com>

Fortunately, I live in the United States of America, where we are gradually coming to understand that nothing we do is ever our fault, especially if it is really stupid. --Dave Barry