

Re: Radical Expression For $\cos(2\pi/29)$

Source: <http://sci.tech-archive.net/Archive/sci.math/2005-10/msg02464.html>

- *From:* "Klueless" <klueless@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 21 Oct 2005 03:58:33 GMT
-

"M.A.Fajjal" <h2maf@xxxxxxxxxx> wrote in message
<news:21554396.1129835070178.JavaMail.jakarta@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
> $\cos(2\pi/29) = 1/2 * (2+n1+(2-n1^2+n2)^{1/2})^{1/2}$

I tried your formulas. I get

$$\cos(2\pi/29) = .97662055571008668320822796287786...$$
$$1/2 * (2+n1+(2-n1^2+n2)^{1/2})^{1/2} = 1.03760055035243493433378328702353...$$

The formulas for $\cos(2\pi/7)$ and $\sin(2\pi/7)$ appear fine, but the result for $\cos(2\pi/29)$ did not work for me.

m1=-1610.0362505673123271
m2=1178.0961514450481025
m3=-2051.4114633777357754
g1=2.5263214622687833168-.931504089781744561*i
g2=1.3754569175121094885-2.3147609526834700852*i
g3=.5889649441305952901+2.6273789781044615735*i
g4=.5889649441305952901-2.6273789781044615735*i
g5=1.3754569175121094885+2.3147609526834700852*i
g6=2.5263214622687833168+.931504089781744561*i
n1=1.2116409496889965987
n2=.6667016863521067713
w=.62348980185873353053+.7818314824680298087*i

.

-
- Prev by Date: [*Re: Physics??*](#)
 - Next by Date: [*Re: Me and David C. Ullrich*](#)
 - Previous by thread: [*Inverse functions.*](#)
 - Next by thread: [*Geometry Problem*](#)
 - Index(es):
 - ◆ [*Date*](#)
 - ◆ [*Thread*](#)