

Re: Doubt about formula transcription

Source: <http://coding.derkeiler.com/Archive/Fortran/comp.lang.fortran/2008-04/msg00328.html>

- *From:* fj <francois.jacq@xxxxxxx>
 - *Date:* Mon, 7 Apr 2008 13:34:42 -0700 (PDT)
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On 7 avr, 22:09, "Michael Metcalf" <michaelmetc...@xxxxxxxxxxxxxxxx>
wrote:

"Leonardo Marques" <surf...@xxxxxxx> wrote in message

news:9c4bdee7-084e-4644-8b90-74cbef524878@xx

hey guys,

im with a little problem when im transcribing a math formula from
maple to fortran, because when i put a solution on the equation, i got
a result diferent from zero.

The formula is: $2 \cdot \arctan(\sin(a) \cdot \cos(a) / (.8 - \cos(a)^2)) - 4/9 \cdot \pi$;
I've transcribed to fortran as: $2 \cdot \text{atan}((\sin(a) \cdot \cos(a)) / (0.8 - \cos(a)**2)) - ((\pi) * 4/9)$

I don't know Maple, but in Fortran 4/9 gives zero. Try 4.0/9.0.

Regards,

Mike Metcalf

I don't agree : $(\pi)^4/9$ is computed as $((\pi)^4)/9$ and this is OK.

But the "parameter(k=0.8" is strange, k being no declared REAL !