

# Re: equation

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- *From:* rjf <fateman@xxxxxxxx>
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John Ivie published a paper including program listings for solving difference equations (in Macsyma).

You can probably program your own methods as well.

I suggest you choose a more description subject for any further postings.

RJF

On Mar 3, 12:06 pm, "adriano meis" <doreciakg...@xxxxxxxx> wrote:

Hi,

I have the free maxima 5.12

can I solve a linear finite difference equation, in a symbolic way, with Maxima?

For example, if I give to Maxima the input:

$x(n+1)+x(n)=0$

then Maxima have to give me the output:

$x(n)=c*(-1)^n$ . (where c depends on initial condition).

If answer is no, can you suggest any other software which can do it? Is there anything freeware?

Thanks  
Adriano