Subject: Maxwell equation solver in IDL
Posted by bjkuk on Sun, 20 Jul 2014 08:29:02 GMT

Hello,

I am looking for any reference (IDL) cases or existing IDL routines for Maxwell equation solution.
Any comment on IDL for Maxwell equation solution is appreciated. Are there any person to touch
this issues in IDL?
:)

Subject: Re: Maxwell equation solver in IDL
Posted by Craig Markwardt on Tue, 22 Jul 2014 04:17:08 GMT

On Sunday, July 20, 2014 4:29:02 AM UTC-4, Kuk wrote:
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It's usually quite application specific, depending on what symmetry you have, what boundary
conditions and what initial conditions.

A number of years ago I used IDL to solve Maxwell's equations for a particular set of conditions
and assumptions. The results are here:
  http://cow.physics.wisc.edu/~craigm/toroid/toroid/
I include sample code.

Craig

Subject: Re: Maxwell equation solver in IDL
Posted by bjkuk on Wed, 23 Jul 2014 00:44:22 GMT

Hello Craig,

Thanks for your response and great case including IDL code of Maxwell eq. solver.
In addition, I appreciate you for MPFITFUN.pro which I have used several times.

KUK