Subject: Re: quantum visualizations using IDL
Posted by R.G. Stockwell on Sat, 08 Nov 2008 18:24:47 GMT
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<Rob.Dimeo@gmail.com> wrote in message
news:09070f6d-e38b-49b5-8ade-40c9a1ebe75c@w1g2000prk.googleg roups.com...
> I recently finished documenting some IDL procedures and functions that
> calculate solutions to the Schrodinger equation of quantum mechanics
> for a number of different situations (e.g. for different potentials,
> in one and two dimensions, time-independent, time-dependent). For
> those of you in attendance at the IDL Users' Group meeting in Boulder
> a few weeks ago, I demonstrated a number of these programs during my
> presentation. Since a few of you at the meeting expressed interest in
> the code and documentation, you can find it at the following URL:
>
> http://www.ncnr.nist.gov/staff/dimeo/qvis/sqvis_index.html
>
> The code can be downloaded as a zip file and the documentation is a
> PDF document.
>
> Note that the documentation is geared to individuals with some
> knowledge of QM but (I hope that) the code is easy enough to run to
> see the animations. The code was written to create visual
> demonstrations of quantum phenomena to non-experts visiting our
> facility but the documentation is *not* geared to non-experts.
>
> Comments are, of course, welcome.

cool stuff, thanks!

Cheers,
bob