Re: An Invitation to Quantum Mathematics

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Mpilot wrote:

> Will you please discuss Jx, Jy, and Jz ?

If we define Information (bits) as the most elementairy parts in our Universe, we can ask the question whether information resides in points of non−analyticity or if information is more distributed in nature, which relates to the wave−partice duality of light.

If we define your Jz the axis of points of "non−analyticy", Information as your Jy axis and Physical entropy S as your Jx−axis, we can define a Dynamic Theory of Information and Entropy.

Opinions on the Physical Nature of Information have tended to be contradictory. One view is that information is inherent to points of non−analyticity ("vitual particles"), whereas others consider information to be more distributed in nature. Such considerations are akin of the wave−particle duality, with the question of which of the 2 complements best characterses information.

Timothy Golden BandTechnology.com wrote:

> Mpilot wrote:
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> > Let me try to clarify the above given statements.
> >
> > It turns out that fundamental notions and results of classical mathematics do have substantial quantum analogues. You can say that
> > these classical notions represent a small classical part of a huge
> > quantum iceberg. To comprehend all of this iceberg we must replace
> > functions lying in the foundation of the notions (results, methods,
> > problems) with operators. The question is how to perform such

quantization in practice for a concrete notion taken from some area of
mathematics. Often it is not clear in advance what to do and different
people can give you different suggestions.

However, some conformity has been established. For instance, the book
by Connes is especially impressive. It is a main source for quantum
mathematics.

Let me concentrate on the theory of normed spaces. There are no other
normed spaces, but funct