

Re: folding, plateaus,. uplift, problems

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- *From:* "don findlay" <don@xxxxxxxxxxxxx>
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Timberwoof wrote:

In article <1ht359v.1vbulr318yxkirN%firstname@xxxxxxxxxxxxx>, firstname@xxxxxxxxxxxxx (Florian) wrote:

don findlay <don@xxxxxxxxxxxxx> wrote:

The solution? Earth expansion
<http://users.indigo.net.au/don/to/afgh.html>

Think about it.

Most of the links on that website are dead. Too bad.

BTW, Is there anybody suggesting that orogenesis may be linked to the stress induced by the change of curvature of plates if the earth expands?

Yes. I discussed this here several months ago, but the patterns don't match what we see.

Consider a circular continent of any arbitrary size. Start with the Earth half the current radius (that's a central assumption of the Expanding Earth people) and calculate the value of Pi for the circle on that size sphere. (You get some number between Euclid's value and 4 for a hemisphere.) now transfer the same circle to a sphere the size of the Earth today and calculate Pi for it again. (You get some smaller value.) The difference in those values tells you how badly the original circular segment of the sphere surface fits on the bigger sphere.

Here's where I need help from a geophysicist: I'd expect the edges of the circle to be under tension and either stretch out like the Basin and range region of Nevada or just rip to pieces. And I'd expect the center of the circle to be crunched together into some high mountains. It would

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take some careful modeling to learn what would happen, but based on having actually played with modeling clay when I was a kid, I don't think it would do what we see with the continents now.

I've seen some pretty drawings, but I haven't seen any analyses even as detailed as my back-of-the-envelope musings above. IOW, much more could be done. It would be of minor academic interest ... the Expanding Earthers would insist that there was an error in the methods used, somewhere, even if they can't pinpoint it and the sane people would say, why waste your time on that? We know the Earth has not expanded.