

Interactive comment on “The GPLates Geological Information Model and Markup Language” by X. Qin et al.

X. Qin et al.

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We would like to thank Anonymous Referee #1 for providing some valuable comments about our paper.

1. “P4,L15: A rotation is NOTot called a pole. I think the author means that such a rotation is called a total reconstruction rotation.”

The “total reconstruction pole” here does refer to a finite rotation. The original definition is in Cox and Hart (1986) . We are aware of the imprecise definition of a total reconstruction pole as opposed to a finite rotation pole. The name has been used in many published papers and occasions in the past. Hence, we would like to keep the consistency.

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2. “P4,L22: Parenthesis should be around year only, i.e., Cox and Hart (1986).”

We agree. It should be changed to “. . .described the mathematical rules in Cox and Hart (1986)” .

3. “P5, L4: remove comma after therefore”

In fact, the comma was in (P6, L4). We agree. It should be changed to “. . .and therefore makes GPGIM more powerful. . .”.

4. “P7,L10: Write ‘...property type, which in turn affects ...”

We agree. It should be changed to “. . .implies a real property type, which in turn affects. . .” .

5. “P10, L19: Write ‘has yet to be implemented”

We agree. It should be changed to “. . .has yet to be implemented.” .

6. “P13, L2: Use capital G in Gplates”

The official name should be “GPlates”.

7. “P13, L23: Write ‘...on the other side it imposes a huge effort on ...”

We agree. It should be changed to “. . .but on the other side it imposes a huge effort on software development. . .”.

8. “P18, L2-3: Parenthesis should be around year only, i.e., Landgrebe and Muller (2011)”

We agree. It should be changed to “. . .infrastructure as presented in Landgrebe and Muller (2011).”.

9. “P20, L16: ‘Write ‘Using an XML file ...”

We agree. It should be changed to “Using an XML file to. . .”.

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10. “P20, L27-28: GMT inception was late 1980s; official release was Oct 1991 so mid-1990s is a bit late.”

We agree. It should be changed to “Since its inception in late 1980s ...”.

Reference

Cox, A., and Hart, B. R.: Plate Tectonics : How It Works, Blackwell Science Inc., 400 pp., 1986.

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