

Comments to "The spatial-temporal total friction coefficient of the fault viewed from the seismo-electromagnetic theory" by Venegas-Aravena P. et al. submitted to NHESS

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This paper is an interesting extension of another paper of the same authors already published on the same journal. Here the authors attempt to relate what they called Seismo-electromagnetic Theory with some properties of the fault, in particular the total friction coefficient.

In general, I find the work interesting and worth publishing. Nevertheless, some corrections (mostly by English) should be done before publication.

Pag.4, Line 6. Please insert "have" just after "2018)".

Pag. 4, Line 19. Please write: " $10^{-9}$ , otherwise"

Pag.4, Line 31. Correct "view" with "seen".

Pag.4, Line 42. Please correct "phenomena" with "phenomenon".

Pag.5, Line 32. Please correct "implies" with "imply"

Pag.5, Line 37. Please delete "is" after "section".

Pag.5, Line 37. Please write "it shows the shear ..."

Pag.6, Line 26. Please write "exists the stress" and "... This means that  $\gamma_2$ "

Pag.6, Line 35. Please delete "that if" after "the case"

Pag.7, Line 10. In two situations in this same line, please write correctly "three" and not "tree"

Pag.7, Line 15. Please write correctly "fault point choice".

Pag.7, Line 28. Please write "discussed".

Pag.8, Line 5. Please change "de" with "the".

Pag.8, Line 19. Please change "stress  $H(t)$ " with "entropy  $H(t)$ "

Pag.8, Line 20. Please delete "This stress measurement" before " $H(t)$ ".

Pag.9, Line 30. Please write "These two distributions"

Pag.9, Line 35. Please write " $M_w$  depends"

Pag. 10, Lines 5-8. It is not clear. Please explain better.

Pag.10, Line 23. Please write "the other effects".

The figures. Sometime there is the time without units. If not "real" time, you can indicate arbitrary units.