# Review of: "Ternary instantaneous noise-based logic"

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The article "Ternary instantaneous noise-based logic" discusses some unique operations of noise based logic. The paper is merely a continuation of the author's previous works.

I have some confusions over the following points, which should be written clearly in the text.

1. In the paper authors have mentioned it as NBL gates. Is there any such human-made gate in reality following those operations (other than brain)? Or is this purely a proposal for a logic operation?

2. I don't understand how equation 7 (and the followings) can be materialized if we consider a binary system. Binary-high multiplied by binary-low will be low in my opinion! Even in case of wave interference we get a low value if a crest falls on a trough. My question is how an uncertainty can be generated using a product of two certain values? A little more discussion or a reference on that will be helpful.

3. The names 'Vacuum' and 'Squeezed' states are unnecessarily borrowed from quantum optics!

4. Similar confusion I have for equation 14. It indicates the creation of uncertainty from certain values! Is there any example where it can be used?

In conclusion I would say the paper should contain more physical explanations of its proposed formulae.