# Review of: "Mathematics Is Physical"

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Potential competing interests: No potential competing interests to declare.

Questons for authors of manuscript:

Q1: in V. Irrational numbers and Gódel's incompleteness theorem authors have mentioned reflection of real numbers set (0,1) to integers [0,1]. there should be naming space how to without doubt make connection between those two infinite spaces. It should be possible to put in infinite number of spaces in one number but how will reader know which one is greater.

Q2: as authors mentioned in VI. Discussion and Perspectives, mathematics might develop independently, there might be chance that development of mathematics will develop Physics not fully understandable by Physics. Does authors think this paper might help to understand Quantum Physiscs as mirror for Quantum Information Science?

Manuscript is well writen and understandable. Conclusions and teorema are good positioned but strategy to proofing statement that mathematics is Physical is lacking more ground. Turing machine and Halding problem on Hamiltonian space doesnt have to be based just on reflecting spce (0,1) on all real numbers, it can be reflected alo on Physical entities like gravity or light so there might be more room for proving idea of this manuscript.