Short communication About mathematical theories

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Abstract: A realistic mathematical theory meets properties of the integers. Integers are like physical entities inside mathematics. There are mathematical realistic space and time. Information about physical objects is ultimately mathematical and it is not recognized clearly as such because physical means are used to store and deliver information. Laws of Nature are written mathematically. If we cannot prove a conjecture, that must be that we do not have the right axioms, to design new axioms is not done often enough. What are preferred are stunts with always the same axioms.

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I. INTRODUCTION

A logical theory is a theory with no dead end which means with no contradictions. A realistic mathematical theory meets properties of the integers. Integers are like physical entities inside mathematics. Real numbers and algebraic geometry can be derived from integers. There are mathematical realistic space and time. In the physical space and time, there are substrates which are not mathematical.

II. MAIN TEXT

Information about physical objects is ultimately mathematical and it is not recognized clearly as such because physical means are used to store and deliver information. It is necessary to be cultivated to be able to find new applications of mathematical theories. Laws of Nature are written mathematically. Dimensions of works are very important and engineers have tofind them out.

Most people think that numerical calculations are the main part of mathematics but that is not knowing well mathematics. If we cannot prove a conjecture, that must be that we do not have the right axioms, to design new axioms is not done often enough. What are preferred are stunts with always the same axioms.

To prove some consequences of known axioms is interesting if the consequences are surprising if we look at them without concentrating. There are logical theories which have advantages among logical theories which seem to be mathematical theories but the advantages are not easy to see.

III. CONCLUSION

Among mathematical theories some can be used in physics because of some advantages not well known. What is important is to grasp more of reality. Psychology and sociology may need other mathematics than existing ones.Stepping back is necessary to be able to see the landscape and not details of the landscape. Let us be reminded that analysis of causes of problems is a necessary first step for solutions.

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