Short communication

Philosophy of mathematics: About research

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A statement of Pierre Fermat (1601-1665) challenged mathematicians until today. He claimed to have a short proof for something and no one found it. Someone found a 120-pages proof that is not even correct because of the use of the axiom of choice which should not be used, except for a particular form. Fermat was not even paid to do research. Nowadays, researchers try to get an increase of their salaries instead of being interested in posterity. A genius against our supermen, who wins? The example of Fermat is an example of the research having taken a wrong path.

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INTRODUCTION

About Fermat

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About the present research

Nowadays, people only like only old ideas combined, and it has been like that since half a century ago. No intellectual courage implies no conjectures, only things obvious. So, there is hard work but no really new ideas. Not to look for real results is the true meaning of bureaucracy. Bureaucracy is from procedures which are sterile or obsolete. Research suffers from capitalism. Anti-intellectualism is doom and gloom and that is what is happening. Why are people interested in anything but content?

What research should be done?

It is necessary to introduce new axioms to prove conjectures which resist since a long time. People are not aware of that, which is because there is no room for philosophy.

Researchshould be a matter of creativity and not of speed in only one direction. One of the goals of research should be to simplify what is too much complicated. What is needed is total quality management (with its theory extended). Problems should be well identified. The true meaning of controversy is disagreement, it is not something shameful but the meaning is perverted. True civilization was born with Socrates and he was sentenced to death but people do not know history and do not want any controversy. Intellectuals are aggressed verbally with the word troll. Mistakes in mathematics about the unknown are demonized. Progress cannot be made without mistakes, about the unknown. The goal of research should be to end doubts where there are doubts.

About applied mathematics

There are some topics which should be considered applied mathematics than physics. The first topic is the size of an ur-element of space in cosmology, which may be variable. The second topic is the curvature of space without assuming the existence of dark matter and dark energy. Also, after the Big Bang, may be particles had mass before the Higgs boson existed.

Miscellaneous

In a different field, about brain waves, some people think that they can really reflect the state of the mind of a person, which is not obvious. There is also a question of pre-existence of

mathematical waves and their actual existence for characterizing thoughts in my philosophy.

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