

Pauli Symposium

“How many mathematics ?!”

14. Sep 2018, 15h00 – 18h00

Location: Skylounge Fak. Math., Uni Wien, Oskar Morgenstern Platz 1, 1090 Wien

Why is “mathematics”, «les mathématiques» in plural e.g. in English, French, and “Mathematik” in singular e.g. in German ?

Why are there 2 sections of mathematics in the French (CNU) system ? :

Sec. 25 : “mathématiques” and

Sec. 26 : “mathématiques appliquées et applications des mathématiques”.

Are „mathematics” more than „theorems + proofs” ?

Are “theorem-free” mathematical modeling & numerical simulation two of the most important mathematics ?

Are “informatics” and “statistics” part of “mathematics” ?

And „scientific computing” / „computational sciences” ?

What about “physics” (plural) vs “la physique / die Physik” (singular) ?!

Biology, Chemistry only singular in all languages !?

15h00) : „ouverture“

“welcome” : Norbert J. Mauser (WPI & ICP c/o U. Wien)

“introduction” : Claude Bardos (Paris & WPI)

15h30) “coffee-tea-cake”

16h00) „points of view”

1) “*physic(s)*” : Jörg Schmiedmayer (WPI c/o TU Wien)

2) “*biology & medicine*” : Marie Doumic (INRIA Paris)

3) “*informat(h)ics !?*” : Stefan Szeider (WPI c/o TU Wien)

16h45) **general discussion** : moderator : Doron Levy (U. Maryland)

17h30) **conclusion(s)** : moderator : Shi Jin (U. Madison & Shanghai Jiao Tong U.)

18h– 20h00 “reception”

