



Αθήνα, 18/12/2017

ΔΙΑΔΕΞΗ

Ομιλητής: Sam Nelson

(Claremont McKenna, USA)

Τίτλος: «Trace Diagrams and Biquandle Brackets»

Περίληψη: Biquandle brackets are skein invariants of biquandle-colored knot and link diagrams. While originally defined using a state-sum formulation, for hand computation it is desirable to have a definition of these invariants via a recursive skein expansion, but there is a problem -- smoothings break the biquandle coloring. In this talk we show how to resolve this issue using signed trace diagrams. We find conditions on biquandle brackets to allow over- and under-pass trace moves and identify a Homflypt-style skein relation at monochromatic crossings. This is joint work with Natsumi Oyamaguchi (Shumei University, Japan).

Η ομιλία θα δοθεί τη **Δευτέρα 18 Δεκεμβρίου 2017** και **ώρα 13:35**, στην Αίθουσα Σεμιναρίων του Τομέα Μαθηματικών, κτ. Ε΄, 2ος όροφος.

Η Επιτροπή Σεμιναρίων