## LUDOVIC PATEY, CNRS

SRT22 does not imply RT22 over omega-models

Ramsey's theorem for pairs and two colors  $(RT_2^2)$  asserts the existence, for every 2-coloring of the pairs of integers, of an infinite set of integers, all the pairs of which are monochromatic.  $SRT_2^2$  is the restriction of Ramsey's theorem for pairs to stable 2-colorings, that is, 2-colorings with an asymptotic behavior. It was a long-standing open question whether  $SRT_2^2$  implies  $RT_2^2$  over standard models. In this talk, we present the various techniques used in the proof separating  $SRT_2^2$  from  $RT_2^2$ . This is a joint work with Benoit Monin.