Yuri Nesterenko, **Diophantine approximations to Catalan's constant.**

We will discuss a hypergeometric construction of rational approximations to Catalan's constant $G = \sum_{n=0}^{\infty} \frac{(-1)^n}{(2n+1)^2}$. These approximations are still insufficient to prove irrationality of G. This is a joint work with C. Viola.