15:16:27   From Alexander Braverman : Is it important here that we work with stable bundles?
15:17:03   From Pavel Etingof : In fact we can work with semi stable ones, but beyond that I don't know
15:17:20   From Wojtek W. : What is this \times in a square?
15:17:50   From Pavel Etingof : Times in a square is external product
15:17:51   From Alexander Braverman : I am talking about rational singularities conjecture - is it important there that we work with stable bundles?
15:17:59   From Wojtek W. : Thank you!
15:18:32   From Pavel Etingof : I don't know if stable is necessary for that
15:19:00   From Peter Sarnak : Dmitry -can you ask David what kind of singularities besides rational will allow compactness of the Hecke operator
15:20:10   From Pavel Etingof : Peter - we have to show convergence of some integrals, this depends on computing lower canonical thresholds of some ideals. This is another approach to proving compactness.
15:20:51   From Peter Sarnak : okay thanks Pavel
15:21:20   From Pavel Etingof : I meant log canonical thresholds, sorry
15:22:19   From Peter Sarnak : Pavel;He said that under some hypothesis it trace
15:22:41   From Peter Sarnak : Class but not compact -do you know the nature of the spectrum ?
15:24:19   From Pavel Etingof : Peter, no, some power of T is expected to be trace class. The spectrum we understand conjecturally only for archimedean case, David is talking about this now
15:25:33   From Pavel Etingof : Spectrum is discrete, David will explain what it should be labeled by
15:27:28   From Pavel Etingof : T is expected to be compact but not trace class since its integral kernel is supported on a proper sub variety, but a product of many T operators has kernel with full support and it expected to be trace class.
15:30:59   From Dmitry Gourevitch : To "raise your hand", press "Participants" in the main menu tool bar and it will open a window with all participants. On the bottom, you will see "rise/lower hand" option).
15:34:39   From Roman Travkin : But p-adic differential operators would require p-adic coefficients…
15:35:19   From Pavel Etingof : Roma, that's right, we don't know a good description of spectrum in the p-adic case
15:47:06   From Ezra Getzler : Why was the kernel at the end symmetric in (x, y, z)? Is this clear a priori?
15:48:10   From Pavel Etingof : Ezra, no, it's a remarkable property of 4 points which is related to Okamoto symmetries of Painleve VI
15:56:20   From AsherSyed : thank you for the presentation
15:57:04   From Roman Travkin : i also wanted to ask if there is any idea how to interpret the fact that you have the intersection of opers with local systems with real monodromy in terms of Hom between two corresponding objects of a category
16:00:08   From Roman Travkin : Thank you David for the talk
16:02:51   From Pavel Etingof : Roma, I did not quite understand the question, could you please explain a bit more? (or e-mail me?)
16:03:31   From Dmitry Gourevitch : Pavel and Roma - you are welcome to unmute yourselves and talk here orally
16:07:36   From carbonel : It's going great!