

## Finite groups of birational transformations

Yuri Prokhorov

*Steklov Mathematical Institute*

prokhoro@mi-ras.ru

I survey the classification theory of finite groups of birational transformations of higher-dimensional algebraic varieties. This theory has been significantly developed during the last 10 years due to the success of the minimal model program. I concentrate on certain properties of these groups in arbitrary dimension. Also, I am going to discuss the three-dimensional case in more details.