

**Information on the International Collaboration of the Department of Pure Mathematics
V.N. Karazin National University in 2018**

| Country | City | University | Activity | Program | Responsible Person at the Department of Pure Mathematics |
|----------------|----------------|--|--|-----------------------------|---|
| 1 | 2 | 3 | 4 | 6 | 8 |
| Spain | Murcia | University of Murcia | Education | Erasmus + | O. Shugailo |
| Spain | Murcia | University of Murcia | Lectures, seminars | Erasmus + | O. Shugailo |
| Great Britain | Birmingham | Aston University | Research | Erasmus + | D. Shepelsky |
| Germany | Braunschweig | Technical University of Braunschweig | Conference | Volkswagen Foundation grant | T. Fastovska I. Ryzhkova A. Shcherbina |
| Germany | Braunschweig | Technical University of Braunschweig | Research | Volkswagen Foundation grant | I. Ryzhkova |
| Germany | Berlin | Humboldt University of Berlin | Research | Volkswagen Foundation grant | T. Fastovska |
| Germany | Berlin | Humboldt University of Berlin | Conference, research | Volkswagen Foundation grant | T. Fastovska I. Ryzhkova |
| Germany | Essen | University of Duisburg-Essen | Conference | Personal invitation | T. Fastovska A. Rezounenko I. Ryzhkova |
| Great Britain | Guildford | University of Surrey | Conference | EPSRC grant | T. Fastovska I. Ryzhkova |
| Brazil | Rio de Janeiro | Organization Committee of the 28th International Mathematical Congress | The 28th International Mathematical Congress | Grant OPEN ARMS | M. Shcherbina |

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|---------|-------------|---------------------------|------------|-----------------------|----------------|
| USA | Los Angeles | University of California | Research | Personal invitation | M. Shcherbina |
| Germany | Berlin | Free University of Berlin | Research | DAAD | V. Kadets |
| Spain | Murcia | University of Murcia | Conference | Personal invitation | V. Kadets |
| Spain | Granada | University of Granada | Research | Grant MTM2015-65020-P | V. Kadets |
| Germany | Leipzig | University of Leipzig | Research | Personal invitation | A. Vishnyakova |
| Sweden | Stockholm | Mittag-Leffler Institute | Conference | Personal invitation | A. Vishnyakova |

**Information on the International Collaboration of the Department of Pure Mathematics
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| Country | City | University | Activity | Program | Responsible Person at the Department of Pure Mathematics |
|---------------|--------------|--------------------------------------|------------|--|--|
| 1 | 2 | 3 | 4 | 6 | 8 |
| Sweden | Geoteborg | University of Geoteborg | Conference | Personal invitation | E. Karolinsky |
| South Korea | Seoul | Seoul National University | Conference | Personal invitation | V. Kadets |
| Spain | Granada | University of Granada | Research | Grant PGC2018-093794-B-I00 MINISTERIO DE CIENCIA, INNOVACIÓN E UNIVERSIDADES | V. Kadets |
| Germany | Berlin | Free University of Berlin | Research | DAAD | V. Kadets, O. Zavarzina |
| Germany | Braunschweig | Technical University of Braunschweig | Research | Volkswagen Foundation grant | T. Fastovska I. Ryzhkova |
| Germany | Luebeck | University of Luebeck | Conference | Volkswagen Foundation grant | T. Fastovska I. Ryzhkova |
| Germany | Radebeul | Technical University of Dresden | Conference | Personal invitation | T. Fastovska I. Ryzhkova |
| China | Lanzhou | Lanzhou University | Conference | Personal invitation | T. Fastovska I. Ryzhkova |
| Great Britain | Birmingham | Aston University | Research | Personal invitation | D. Shepelsky |

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|---------------|------------------|--|--------------------|---------------------|----------------|
| Словенія | Ljubljana | University of Ljubljana | Lectures, research | Personal invitation | D. Shepelsky |
| Сyprus | Protaras | University of Cyprus | Conference | Personal invitation | S. Favorov |
| Hungary | Budapest | Alfréd Rényi Institute of Mathematics of the Hunga- rian Academy of Sciences | Conference | Personal invitation | S. Favorov |
| Turkey | Ankara | Bilkent university | Research | Personal invitation | S. Favorov |
| China, USA | Shanghai, Boston | Shanghai Jiao Tong University, Boston University | Research | Personal invitation | A. Vishnyakova |
| Spain | Murcia | University of Murcia | Lectures, seminars | Erasmus+ | O. Shugailo |