OPEN MATHEMATICAL OLYMPIAD
of the Belarusian-Russian University

(International Student Olympiad)
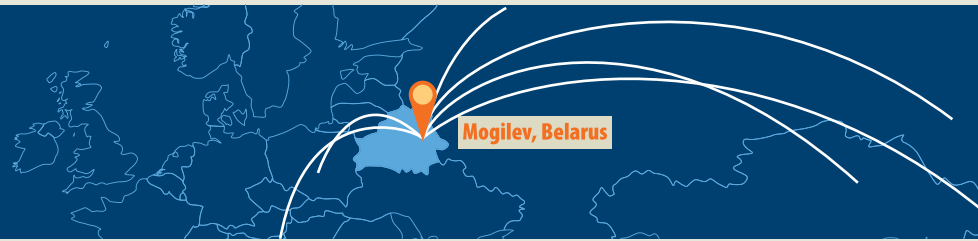
$$\int_0^{+\infty} \left(\sum_{n=0}^{\infty} \frac{(-1)^n x^{2n+1}}{(2n)!!} \cdot \sum_{n=0}^{\infty} \frac{x^{2n}}{((2n)!!)^2} \right) dx$$

February 17–19, 2016

Mogilev, Belarus

7 MATH OPEN BELARUS 2016

The Open Mathematical Olympiad of the Belarusian-Russian University
is an international mathematical contest for students of higher educational institutions,
which has been held annually since 2010 at the Belarusian-Russian University based in Mogilev, Belarus.

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is an international mathematical contest for students of higher educational institutions, which has been held annually since 2010 at the Belarusian-Russian University based in Mogilev, Belarus.

252 undergraduates and postgraduate students

39 universities

Belarus, Estonia, Kazakhstan, Kyrgyzstan, Macedonia, Poland, Russia, Slovenia, Tajikistan

History

The idea to hold Olympiads belongs to the Department of Higher Mathematics of the Belarusian-Russian University, with V.G. Zamuraev, the Associate Professor of the Department of Higher Mathematics, L.V. Pletnev, the Department Head, and N.I. Milyanova, the senior lecturer, standing at its origin. The Olympiad Organizing Committee includes representatives of the University administration and faculty members of the Department of Higher Mathematics.

The Open BRU Mathematical Olympiad continues long traditions of students mathematical Olympiads and at the same time it has traditions and peculiarities of its own, which distinguish it from other mathematical competitions.

Winner 2010
Andrey Yefremov, *BRU, Mogilev*
Winner 2011
Mikhail Drozdov, *BRU, Mogilev*
Winner 2012
Alexander Malyshev, *ISPEU, Ivanovo*
Winners 2013
Andrei Yefremov, *BRU, Mogilev*
Viktor Markov, *NEFU, Yakutsk*
Oleg Baskov, *SPbSU, St. Petersburg*
Winners 2014
Oleg Baskov, *SPbSU, St. Petersburg*
Pirahmad Olimdzhoni, *TNU, Dushanbe*
Dmitry Obukhov, *NSTU, Novosibirsk*
Winners 2015
Roman Pocherevin, *LMSU, Moscow*
Vyacheslav Murashko, *FSHSU, Homiel*
Pirahmad Olimdzhoni, *TNU, Dushanbe*

30 tasks **5 hours**

Teams

Teams of higher education institutions composed of not more than **two participants** (undergraduates or postgraduate students) and **one supervisor** are invited to take part in the Olympiad.

The Olympiad is held as a competition with individual classification; **winners** (holders of gold, silver and bronze medals) of the Open Mathematical Olympiads of the Belarusian-Russian University held in the past years may be additionally included into the HEI team over the quota.

Form

The Olympiad is held in **one round** in the form of testing (**30 tasks** in the form of tests to be fulfilled within **5 hours**), the tasks contain problems from the following areas of mathematics:

- **algebra**
- **theory of numbers**
- **analysis** (real or complex)
- **analytical geometry**
- **combinatorial analysis**
- **ordinary differential equations**

Winners

The complexity of problems is taken into account in counting scored points.

The winners of the Olympiad are determined according to the results of testing.

Medals and Diplomas of the 1–3 degree are awarded to

12 Olympiad winners,

six participants receive Honorable Diplomas.

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www.mathopen.bru.by

Applications for the participation
in the Olympiad are requested
to be e-mailed on the following address:
olympiad@open.by

Additional e-mail addresses:
vhz@mail.by

Contact phone:
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