

October 16, 2023

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*Applied aspects of quantum computing:  
practical industrial problems,  
which can be solved by the technology,  
and mathematical problems that they produce*

Quantum computing is a new rapidly developing area of science and technology, which from the algorithmic point of view can be considered as intersection of mathematics and computer science. Performing computations on quantum computing devices requires development of new methods and algorithms for solving computational problems. Practical application aspects of quantum computing are not clear yet and remain an area of active research.

The lecture will present some practical business problems from industry and computational problems associated with them, which can be solved by quantum computing. Also mathematical problems arising in developing quantum computing methods for these problems will be discussed.

**SCIENTIFIC SEMINAR  
“DIFFERENTIAL GEOMETRY AND APPLICATIONS”**

**headed by Academician of RAS Anatoly T. Fomenko**

**The seminar takes place online in ZOOM on Mondays  
from 4:45 p.m. to 6:20 p.m. (Moscow time)**

**The zoom-ref is provided only to registered persons**

**To be registered, ask any participant of our seminar to endorse you  
Announcements of previous talks can be found on the seminar website**

**<http://dfgm.math.msu.su/chairsem.php>**