

The Rome-Moscow school of
Matrix Methods and Applied Linear Algebra
10th - 24th October 2010, Moscow



Moscow metro

Opened in 1935 with one 11 kilometres (6.8 mi) line and 13 stations, moscow metro was the first underground railway system in the Soviet Union. Currently, Moscow Metro has 182 stations. Its route length is 301.2 kilometres (187.2 mi). The system is mostly underground, with the deepest sections located at 60 metres (200 ft) below ground. The average daily passenger traffic is 6.6 million passengers per day. The highest passenger traffic is highest on weekdays, when the Metro carries over 7 million passengers per day. The traffic is lower on weekends.



Metro stations are open for passengers daily from 6 a.m. to 1 a.m. Passengers must pay the fare every time they enter metro.

There are single-ride tickets, day passes and unlimited ride cards.

A single ride costs 26 roubles (plus 26 roubles for a piece of luggage).

up to 5-ride pass - 125 roubles (valid for 75 days)

up to 10-ride pass - 240 roubles (valid for 75 days)

up to 20-ride pass - 460 roubles (valid for 75 days)

up to 60-ride pass - 1080 roubles (valid for 75 days)

Card for 30 days - 1480 roubles (unlimited ride)

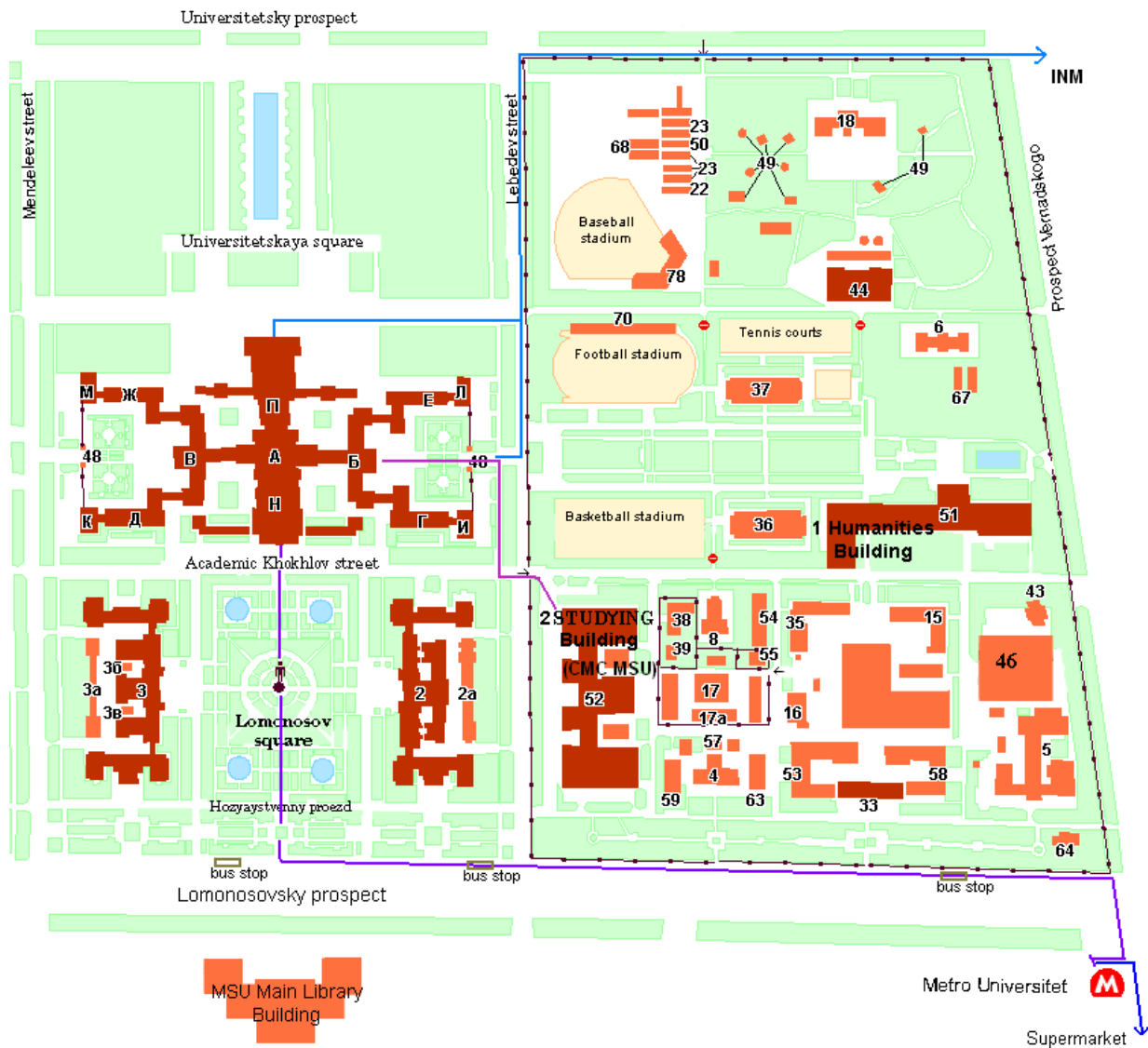


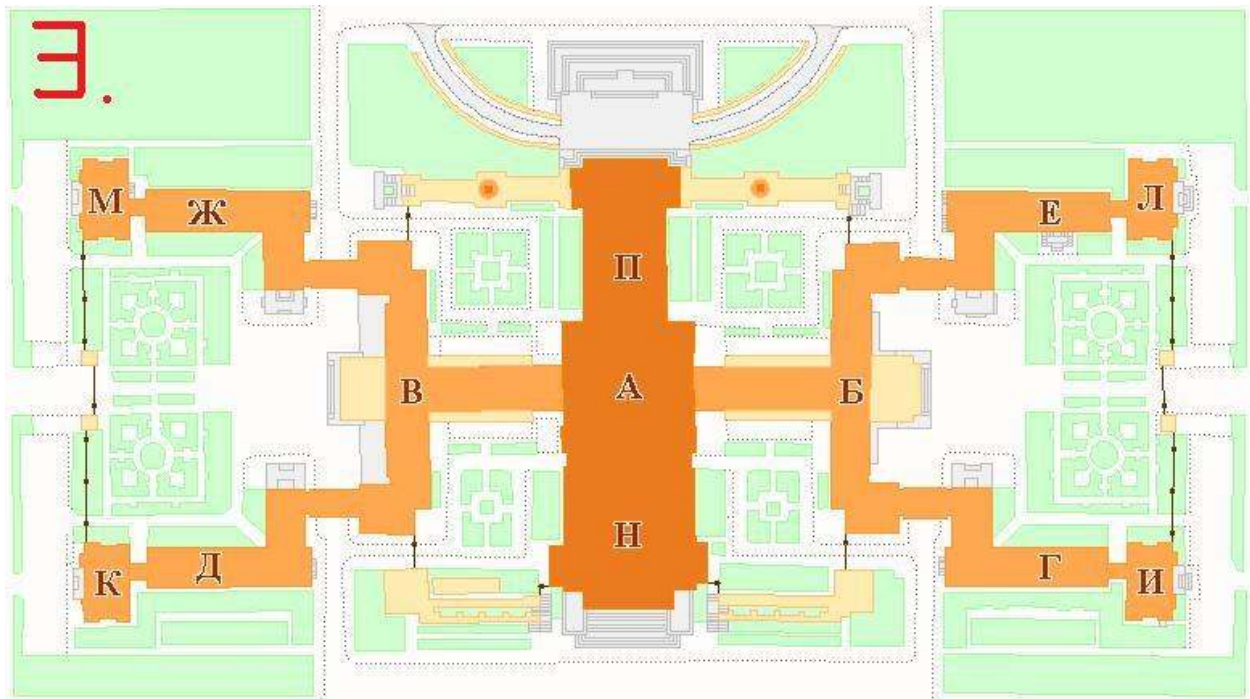
Lomonosov Moscow State University

The students' and professors' dormitories, most of the university messes are situated in the main building (GZ) of Lomonosov Moscow State University on Sparrow Hills, in the southwest of Moscow. The main building was designed by architect Lev Vladimirovich Rudnev. The central tower is 240 m tall, 36 stories high, and flanked by four huge wings of student and faculty accommodations. It is said to contain a total of 33 kilometers of corridors and 5,000 rooms. It was the tallest building in the world outside of New York City at the time of its construction, and remained the tallest building in Europe until 1990.

Facilities available inside the building include a concert hall, a theatre, a museum, various administrative services, a library, a swimming pool, a police station, a post office, a laundry, a hairdresser's salon, several canteens, bank offices and ATMs, shops, cafeterias, a bomb shelter, etc.

While the Sparrow Hills were on the outskirts of the city at the time of the construction of the main building, they are now about halfway from the Kremlin to the city limits.





There are some **messes** on the territory of LMSU and in the main building:

- mess #2 in the block "B" [v], ground floor
8.00-10.00, 11.30-15.30, 16.30-19.45 every day
- mess #1 in the block "Б" [b] , ground floor
12.00-16.30, Monday - Saturday, There is a bar near it and it works from 8.00 till 19.00.
- bar near mess #1 in the block "Б" [b]
8.00-19.30
- a dietary mess in the block "Б", ground floor (contrariwise the mess #2).
9.00-20.00 every day
- two "professorial" messes on 2nd floor in block "А".
11.30-15.30, bar: 10.00-17.00 / 10.30-16.45

Moreover:

- mess #14 near CMC MSU (see scheme 2.) (opens not earlier 12.00)
- bars in the Second Studying building.

The nearest to LMSU **supermarket with food court** is Auchan-City-Kapitoly (Ашан-сити-капитолий):

0 floor: entertainments like bowling, pool and playing machines; there are in KOSMIK (космик) – entertaining centre

1 floor: supermarket with food and other necessary things (like in castorama)

2 floor: "media market" (in castorama it is called "world market")

3 floor: fastfood hall; there are different fast food like Macdonald, burger king, sbarro (there is pizza), elki-palki (елки-палки) (there is some Russian food), teremok (Russian pancakes) and a lot of other food

Also there is a cinema Karo-film (Каро-фильм) in 2 and 3 floors.

On **11 Oct.** 2010 the **lectures** will be held at the **Faculty of Computational Mathematics and Cybernetics** of Lomonosov Moscow State University (CMC MSU) which is located in the second studying building.

11.10.2010 Monday

10:30-12:00 CMC LMSU, aud. 671 (6th floor)
C. Di Fiore

14:35-16:05 CMC LMSU, aud. 523 (5th floor)
E. Tyrtysnikov

16:05-17:35 CMC LMSU, aud. 523 (5th floor)
Kh. Ikramov

Cathedra of Computational Technologies and Modeling is located in 705 room on the 7th floor.

From Tuesday 12 Oct. all the lectures will be held in the **Institute of Numerical Mathematics**. The best variant to get there is to go by foot. It takes about 30-35 minutes (25 for Carmine).

Also you can take tram №14 or №39 from the stop near the metro station “university” (университет-universitet). You have to go out of tram at stop “ulitsa Gubkina” (Gubkina street / улица Губкина). This way takes about 30 minutes.



The blue route is from main building to Auchan by foot. The red one is from main building to IVM RAN by foot

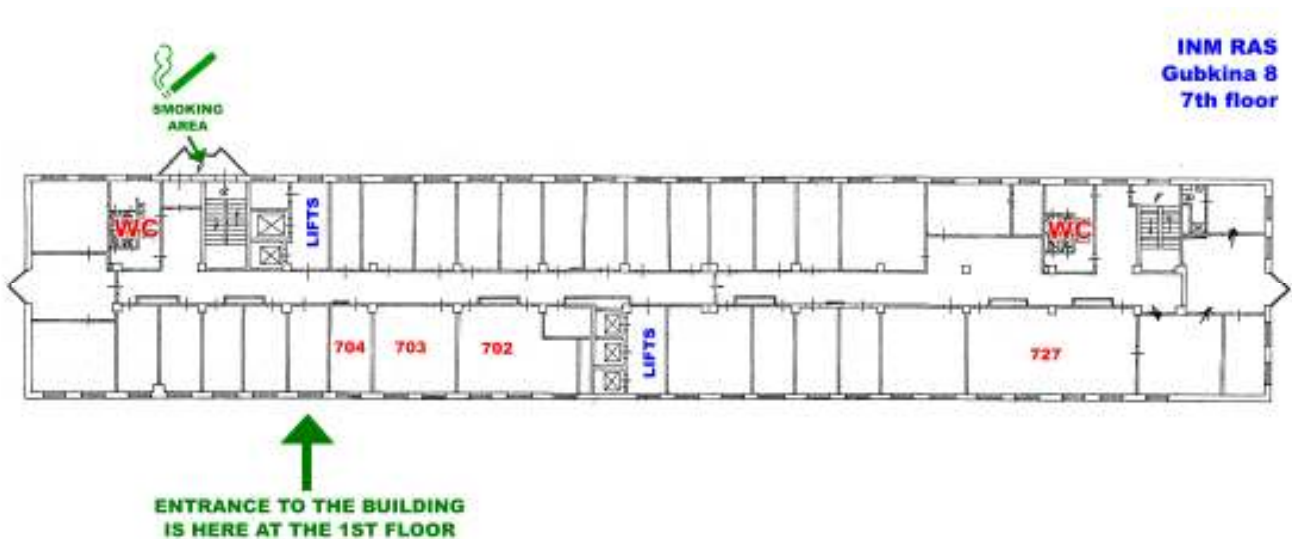
The institute securities have a list of participants. To get into the building you should show to them your passport.

Institute of Numerical Mathematics RAS

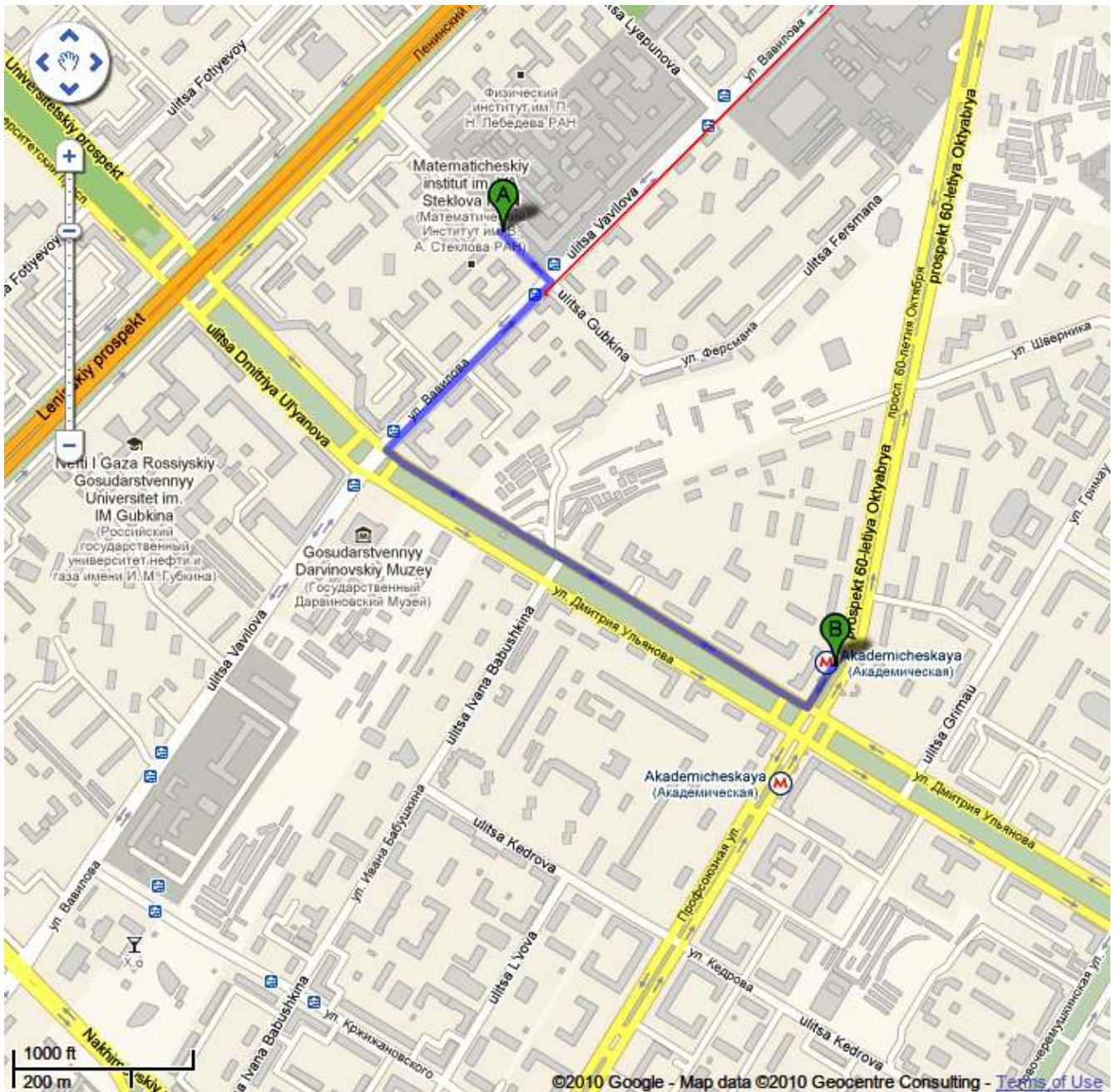
Gubkin str., 8, 6-7 floors, www.inm.ras.ru

The Institute of Numerical Mathematics of the Russian Academy of Sciences (INM RAS) acts in line with the current edition of the *General Principles of the Structure and Scientific Research of RAS Institutes*. Academician Guri Marchuk is the founder and director of INM RAS from 1980 to 2000 (the honorary director from 2000 to present). The current director of INM RAS is Eugene Tyrtysnikov. The research staff involves a total of 28 Dr.Sci. (including 3 Academicians and 2 Corresponding Member) and more than 30 Cand.Sci.

The Institute of Numerical Mathematics is a unique scientific research institution engaged in solving both fundamental and applied problems of interdisciplinary character. Joining the efforts of leading scientists in computational mathematics, atmospheric and oceanic physics, and mathematical immunology is a top priority.



- > The lectures will be held in the room **727**, where tea and coffee will be available. And wireless Internet connection as well!
- > The room **704** is Eugene Tyrtysnikov's office. You're always welcome to ask any questions there...
- > ...but it might be better to try first **703**, where Olga Lebedeva and Vladimir Kazeev work.
- > The room **702** is a terminal class. When it's free of lectures for INM students, you can find there a working place with a desktop computer connected to the Internet. If the room is closed, just ask any person from **703** to open it. Log in the desktop computers using login *student* and password *student*.
- > The balcony in the left side of the floor is reserved for smoking.
- > Lavatories are available in the both sides of the floor.



The nearest to INM metro station is Akademieskaya, about 15-20 minutes on foot (blue line).

Also you can take any tram to metro station Leninskiy prospekt (red line).

Tentative schedule

11.10.2010 Monday

10:30-12:00 CMC LMSU, aud. 671 C. Di Fiore
14:35-16:05 CMC LMSU, aud. 523 E. Tyrtshnikov
16:05-17:35 CMC LMSU, aud. 523 Kh. Ikramov

18.10.2010 Monday

10:00-11:30 INM aud. 727 Kh. Ikramov
11:30-13:00 INM aud. 727 D. Bertaccini
14:20-15:50 INM aud. 727 P. Zellini
15:50-17:20 INM Yu. Vassilevski

12.10.2010 Tuesday

10:30-12:30 INM aud. 727 C. Di Fiore
14:20-15:50 INM aud. 727 S. Grudsky
15:50-17:20 INM aud. 727 Kh. Ikramov

19.10.2010 Tuesday

10:00-11:30 INM aud. 727 P. Zellini
11:30-13:00 D. Bertaccini
14:20-17:20 INM aud. 727 A. Guterman

13.10.2010 Wednesday

10:00-13:00 INM aud. 727 S. Grudski
14:20-15:20 INM aud. 727 C. Di Fiore

20.10.2010 Wednesday

10:00-11:30 INM aud. 727 P. Zellini
11:30-13:00 INM aud. 727 D. Bertaccini
14:20-15:50 A. Guterman
15:50-17:20 INM aud. 727 A. Krylov

14.10.2010 Thursday

10:00-11:30 INM aud. 727 Kh. Ikramov
11:30-13:00 INM aud. 727 C. Di Fiore
14:20-17:20 INM aud. 727 S. Grudski

21.10.2010 Thursday

10:00-11:30 INM aud. 727 P. Zellini
11:30-13:30 D. Bertaccini
15:00-16:00 E. Tyrtshnikov
16:00-17:20 INM aud. 727
ROUND TABLE TIME

15.10.2010 Friday
FREE DAY

22.10.2010 Friday
FREE DAY

Thanks to Irina Rachinskaya, Sergey Dolgov, Vladimir Kazeev, Dmitry Zheltkov, Maria Konoshenkova, Elena Shanaeva, Olga Lebedeva and Eugene Tyrtshnikov for these materials.

For any questions turn to
Olga Lebedeva (room 703 in INM),
Zheltkov Dmitry (lives in MSU dormitories, sector "Б" [b], room 541 left),
Kazeev Vladimir (room 703 in INM),
Dolgov Sergey (room contra 703 in INM)