Azərbaycan memarlıq və inşaat universiteti

YTÜ YILDIZ TEKNİK ÜNİVERSİTESİ

Azerbaijan University of Architecture and Construction, Azerbaijan

Yıldız Technical University, Turkey

"Functional Analysis and Applications"

Seminar chair:

Prof. Bilal Bilalov (YTU, İstanbul)

Date: **Wednesday, May 8, 2024**

Time: 12.00-13.00 (Baku) = 11.00-12.00 (İstanbul)

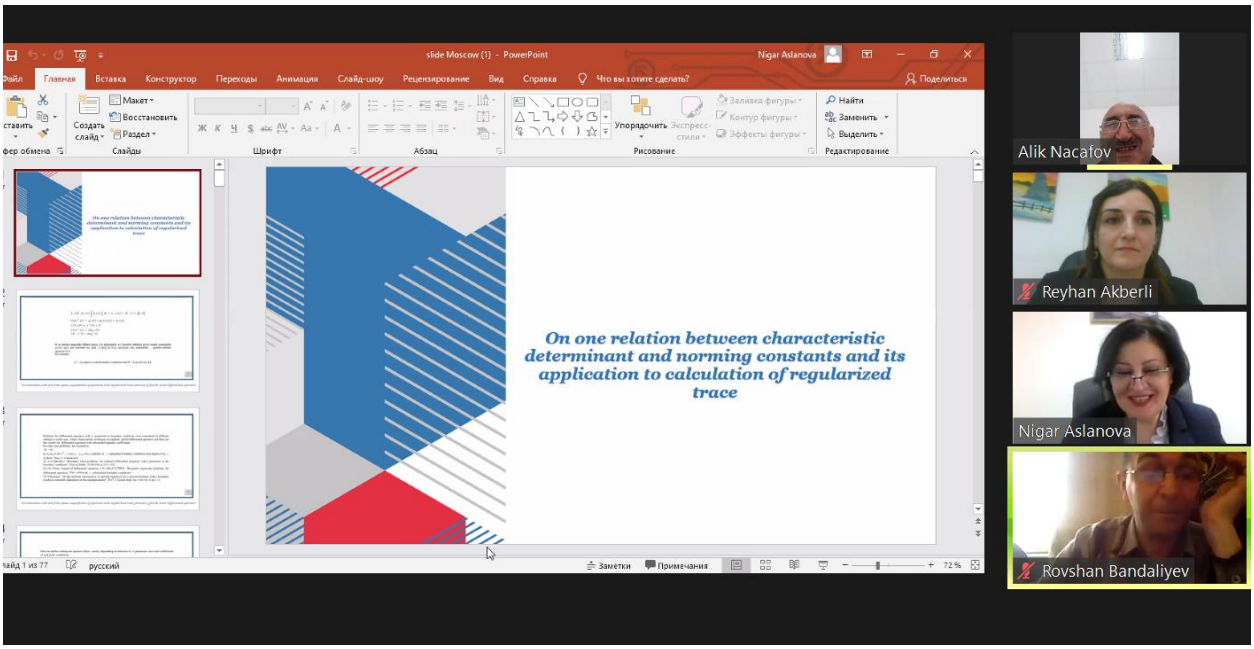
Zoom link: Meeting ID: 835 7583 4511 Passcode: tFjVt2

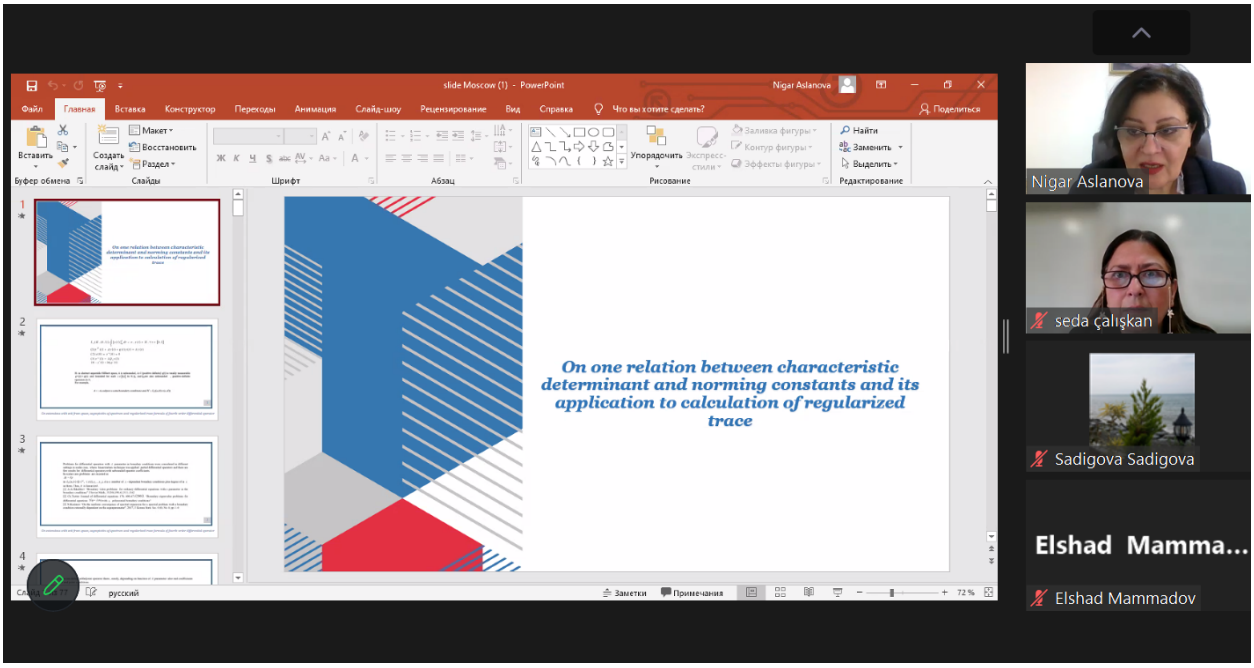
Speaker:

Prof. Nigar Aslanova

Azerbaijan University of Architecture and Construction, Azerbaijan

Title: **On one relation between characteristic determinant and norming constants and its application to calculation of regularized trace**


slide Moscow (1) - PowerPoint
Nigar Aslanova
On one relation between characteristic determinant and norming constants and its application to calculation of regularized trace
Alik Nacafov
Reyhan Akberli
Nigar Aslanova
Rovshan Bandaliyev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Nigar Aslanova
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Nigar Aslanova
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Sadigova Sadigova
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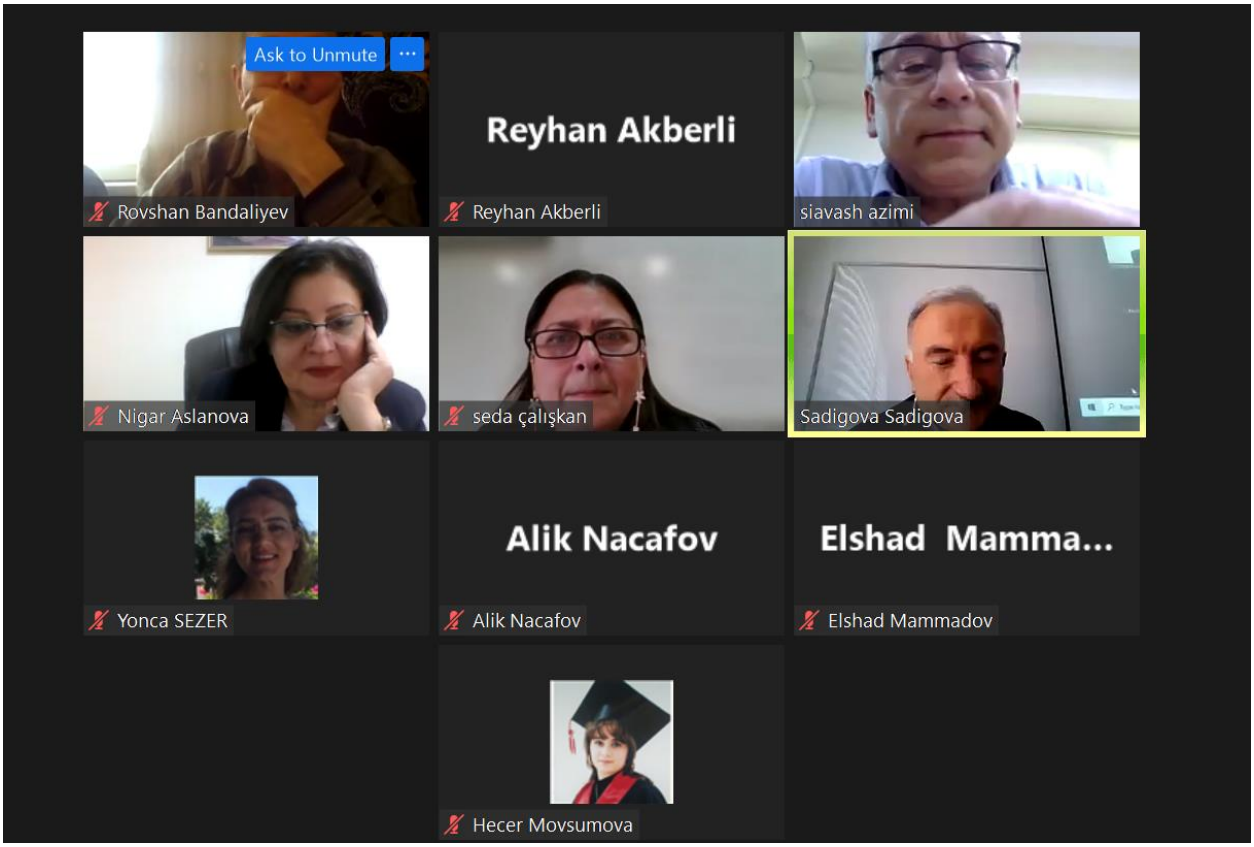
Elshad Mammadov


Ask to Unmute
Rovshan Bandaliyev
Reyhan Akberli
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siavash azimi
Nigar Aslanova
seda çalışkan
Sadigova Sadigova
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Alik Nacafov
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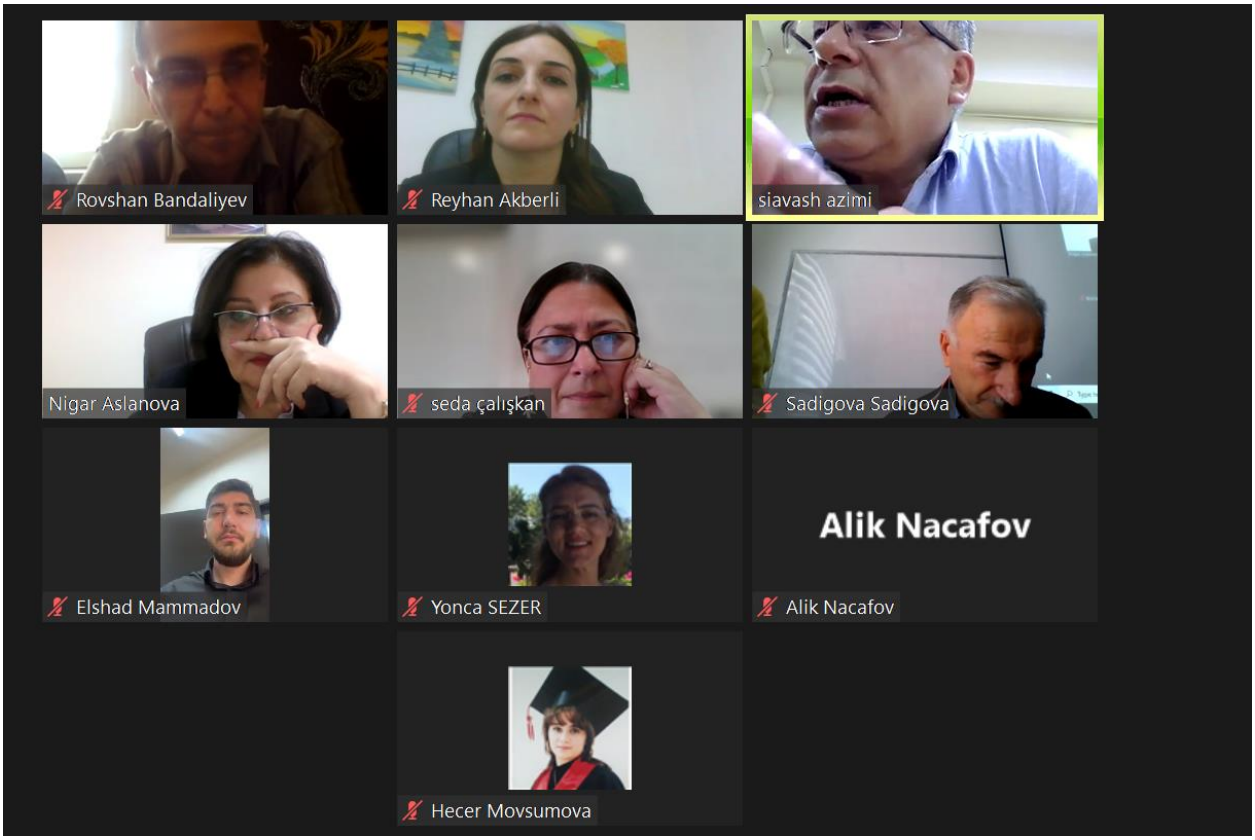
Elshad Mamma...
Elshad Mammadov
Hecer Movsumova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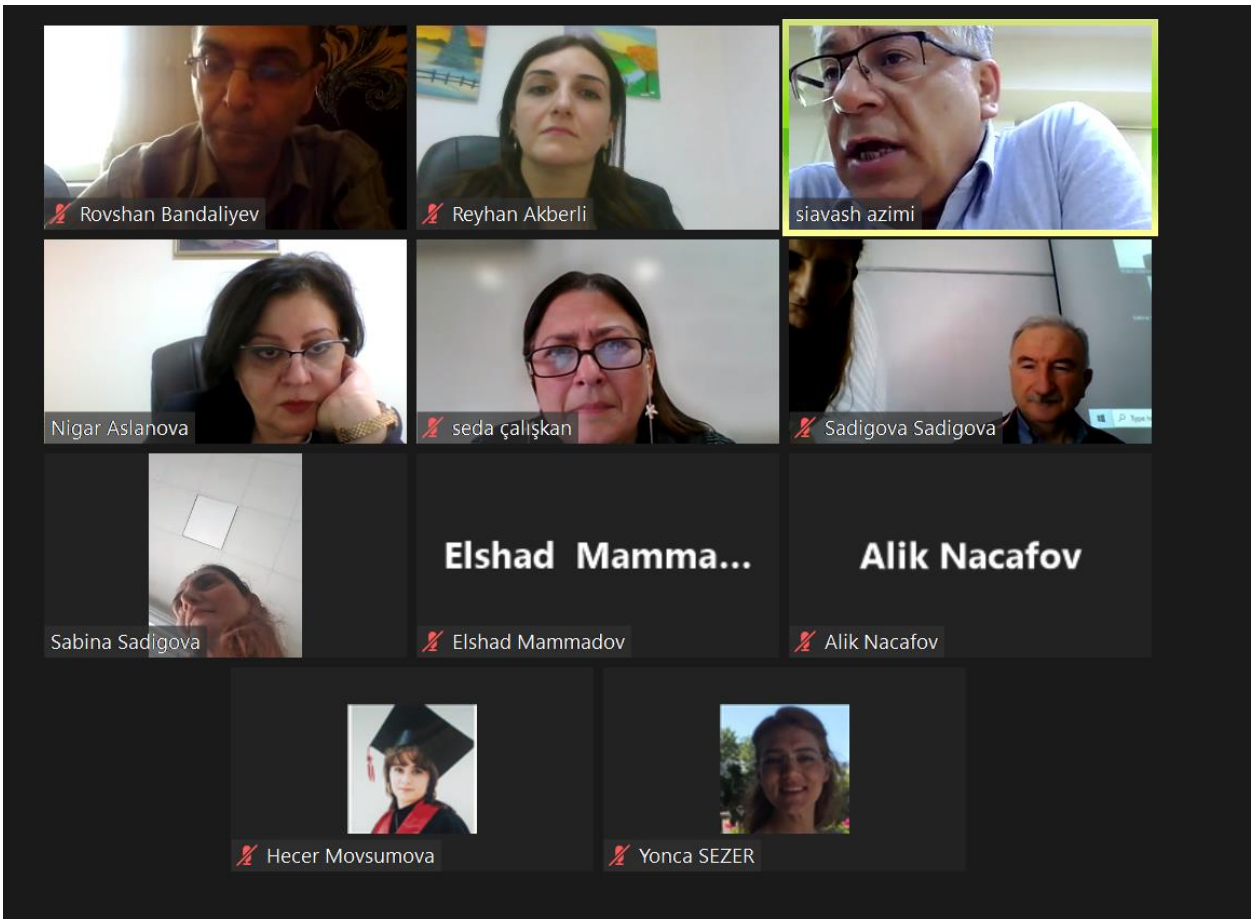
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Sadigova Sadigova
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Elshad Mamma...
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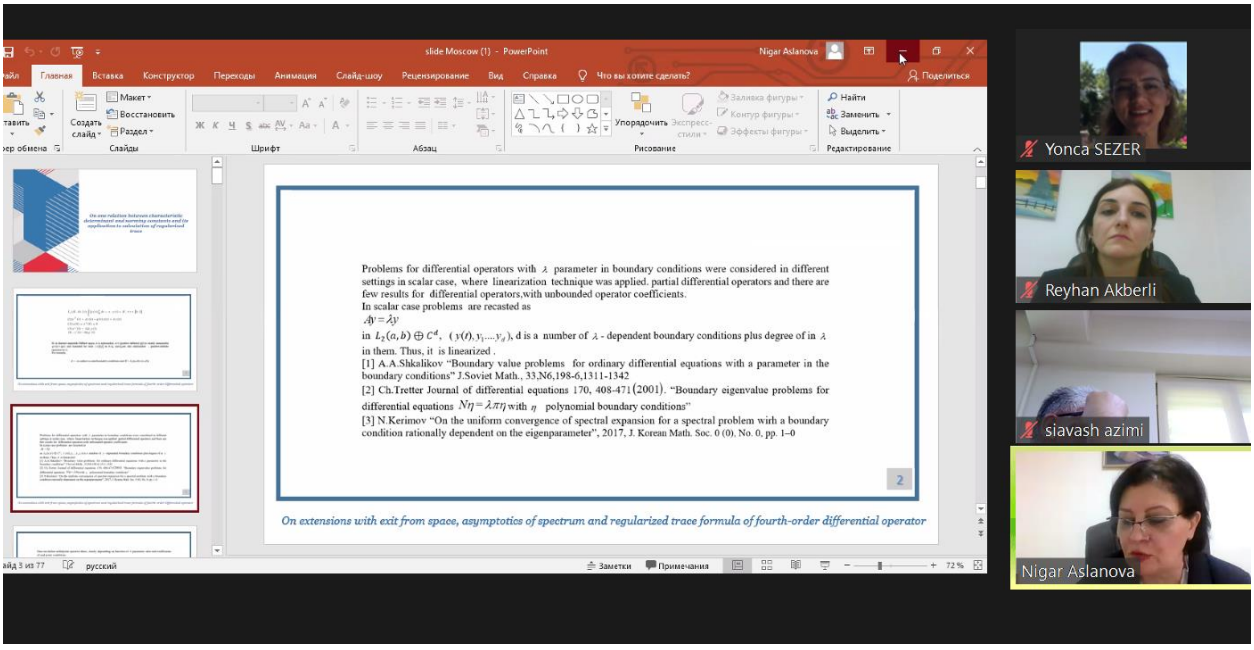
slide Moscow (1) - PowerPoint
Nigar Aslanova
Problems for differential operators with λ parameter in boundary conditions were considered in different settings in scalar case, where linearization technique was applied. partial differential operators and there are few results for differential operators,with unbounded operator coefficients.
In scalar case problems are recasted as
$Ay=\lambda y$
in $L_2(a,b)\oplus C^d$, $(y(t),y_1,...,y_d)$, d is a number of λ - dependent boundary conditions plus degree of in λ in them. Thus, it is linearized .
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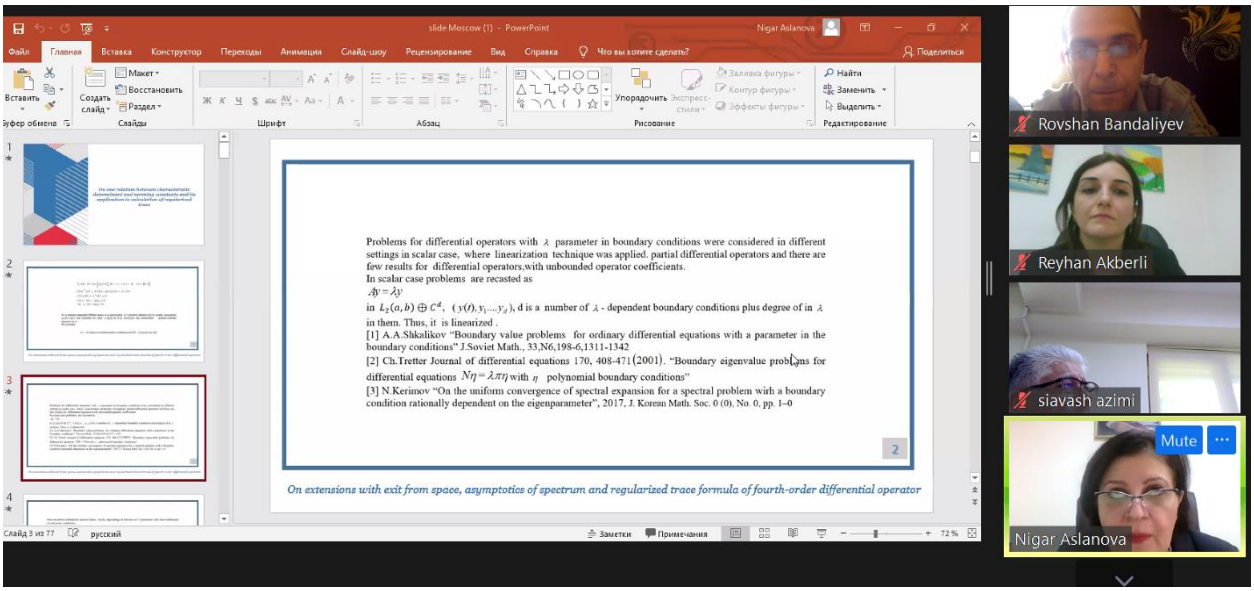
[2] Ch.Tretter Journal of differential equations 170, 408-471(2001). "Boundary eigenvalue problems for differential equations $N\eta=\lambda\pi\eta$ with η polynomial boundary conditions"
[3] N.Kerimov "On the uniform convergence of spectral expansion for a spectral problem with a boundary condition rationally dependent on the eigenparameter", 2017, J. Korean Math. Soc. 0 (0), No. 0, pp. 1–0
2
On extensions with exit from space, asymptotics of spectrum and regularized trace formula of fourth-order differential operator
Yonca SEZER
Reyhan Akberli
siavash azimi
Nigar Aslanova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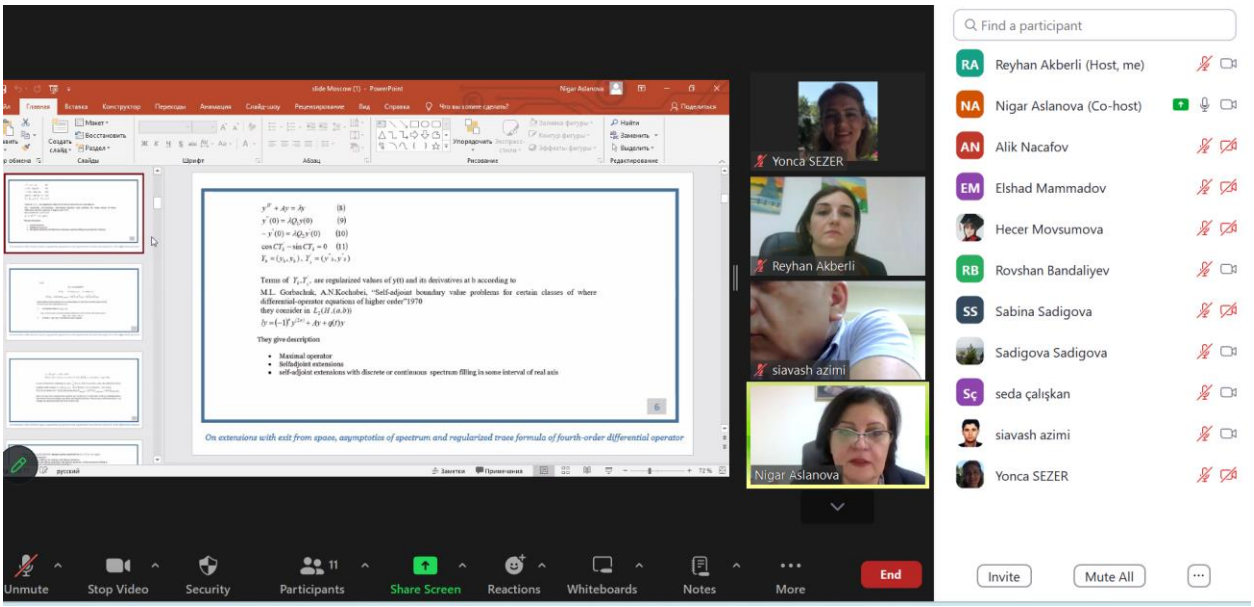
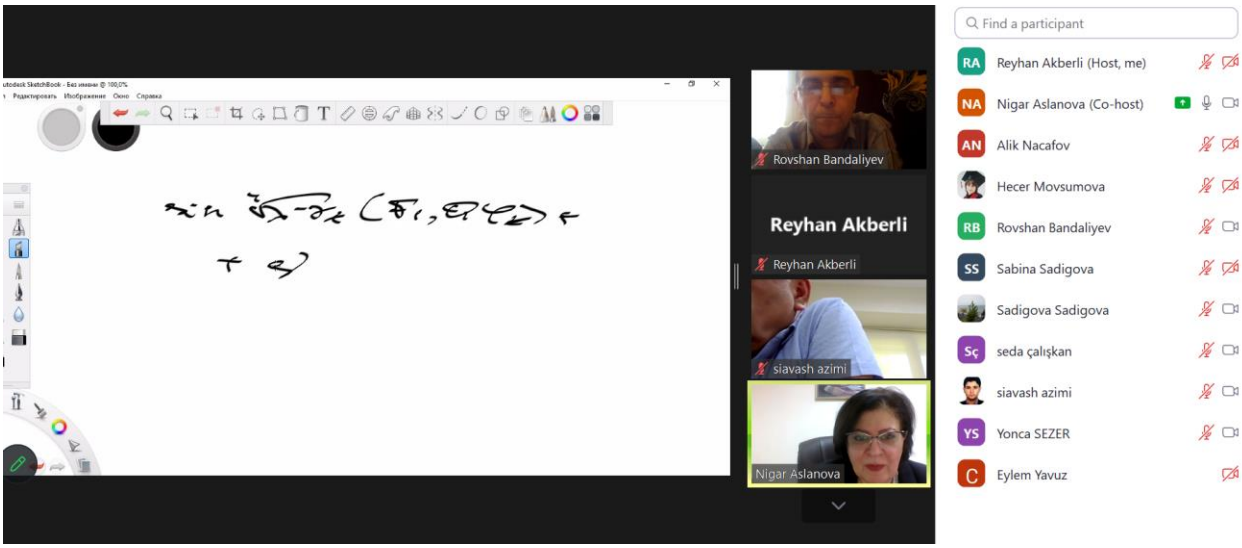
Rovshan Bandaliyev
Reyhan Akberli
siavash azimi
Mute
Nigar Aslanova


Yonca SEZER
Reyhan Akberli
siavash azimi
Nigar Aslanova
Unmute
Stop Video
Security
Participants
Share Screen
Reactions
Whiteboards
Notes
More
End
Find a participant
Reyhan Akberli (Host, me)
Nigar Aslanova (Co-host)
Alik Nacafov
Elshad Mammadov
Hecer Movsumova
Rovshan Bandaliyev
Sabina Sadigova
Sadigova Sadigova
seda çalışkan
siavash azimi
Yonca SEZER
Invite
Mute All


Rovshan Bandaliyev
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Yonca SEZER
Eylem Yavuz