Session 3

COMPLEX ANALYTIC METHODS IN THE APPLIED SCIENCES

Organiser: S. Rogosin (Minsk)

August 05 / 2013, Room 118

14:30--15:00

Mityushev V. (Krakow, Poland), R--linear problem and its applications

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15:00--15:20

Wojnar R., Bielski W. (Warsaw, Poland), Flow in canal with rough bottom

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15:20--15:40

Argatov I., Jokinen M. (Oulu, Finland), Longitudinal impact through a spring: Optimization and inverse problems

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15:40--16:10

Cofee break

16:10--16:30

Dubatovskaya M.V., Rogosin S.V. (Minsk, Belarus), On effective conductivity formula for bounded symmetric composite material

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16:30--16:50

Drygaš P. (Rzeszow, Poland), Functional equations and stress tensor in composite material with circular inclusions

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16:50--17:10

Jarczyk P. (Krakow, Poland), Neutral coated inclusions of finite conductivity

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17:10--17:30

Gryshchuk S. (Kiev, Ukraine), Rogosin S. (Minsk, Belarus), Effective Conductivity of 2D Disk – Ring Composite Material

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17:30--17:50

Green Ch. (London, UK), Using the Schottky-Klein prime function to solve free boundary problems in multiply connected domains

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17:50--18:10

Break.

18:10--18:30
Andersson A. (Jönköping, Sweden), Harmonic Scalar Waves in Waveguides with Losses
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18:30--18:50
Grigoriev Yu.M. (Yakutsk, Russia), Quaternion functions method for the Moisil-Theodorescu system and it's applications
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18:50—19:10
Ilchukov A. (Syktyvkar, Russia), Rogosin S. (Minsk, Belarus), Singular integrals in spaces with moduli of continuity

August 06 / 2013, Room 318N

12:10--12:30
Rogosin S. (Minsk, Belarus), Complex-analytic model for Hele-Shaw moving boundary value problem
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12:30--12:50
Koroleva A. (Minsk, Belarus), Mishuris G. (Aberystwyth, UK), Rogosin S. (Minsk, Belarus), Refinement of the solution to the contact problem for the thin biphasic cartilage layers
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12:50--13:10
Doubrovina O. (Minsk, Belarus), Gambin B. (Warsaw, Poland), Wavelet approach for the problems of discerning samples obtaining from acoustic measuremens
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