

# CLASSICAL AND QUANTUM MOTION IN DISORDERED ENVIRONMENT

A random event in honour of Ilya Goldsheid's 70-th birthday

Queen Mary University of London, 18-22 December 2017

## Speakers

Pavel Bleher, Indianapolis, IN  
 Erwin Bolthausen, Zürich  
 Leonid Bunimovich, Atlanta, GA  
 Dmitry Dolgopyat, College Park, MD  
 Anna Erschler\*, Paris  
 Alex Furman, Chicago, IL  
 Gian Michele Graf, Zürich  
 Yves Guivarc'h, Rennes  
 Xiaoqin Guo, West Lafayette, IN  
 Svetlana Jitomirskaya, Irvine, CA  
 Konstantin Khanin, Toronto  
 Yuri Kifer, Jerusalem  
 Abel Klein, Irvine, CA  
 Frederic Klopp\*, Paris  
 Elena Kosygina, New York, NY  
 Shin'ichi Kotani, Osaka  
 Stanislav Molchanov, Charlotte, NC  
 Leonid Pastur, Kharkov  
 Christophe Sabot, Lyon  
 Mariya Shcherbina, Kharkov  
 Senya Shlosman, Marseille  
 Barry Simon, Pasadena, CA  
 Yakov Sinai\*, Princeton, NJ  
 Uzy Smilansky, Rehovot  
 Günter Stolz, Birmingham, AL  
 Alain-Sol Sznitman, Zürich  
 Bálint Virág, Toronto  
 Ofer Zeitouni, Rehovot  
 Martin Zerner\*, Tübingen

According to Lemmas 3.4 and 3.5 the element  $h \in G(b)$  is a rational map of  $G$  if  $h \in G(b)$ ,  $h \in G(b)$ , is a rational map of  $G$  semigroup  $H$  is Zariski dense in  $G$ , the element  $h \in G(b)$ . However, the sequence of matrices  $h_n$  such that if  $b' := \langle \dim M_0(b) \rangle$  (here we use the assumption

б) Собственные числа задачи (1) суть корни уравнения  $\theta_\lambda^+(L) + \theta_\lambda^-(L) = 0 \pmod{\pi}$ .

Для завершения доказательства леммы выберем амплитуды  $r^+$  и  $r^-$  таким образом, чтобы  $r^+(L) = r^-(L) = 1$  (ранее начальные условия не фиксировались). Очевидно,

$$\sum_{\lambda \in \mathbb{R} \setminus \mathbb{Z}} a_\lambda^{1+\epsilon}(L) = \int_{\mathbb{S}} d\lambda \delta((\theta_\lambda^+(L) + \theta_\lambda^-(L)) \pmod{\pi}) \times \\ \times \left| \frac{\partial}{\partial \lambda} ((\theta^+ + \theta^-) \pmod{\pi}) \right| \left[ \int_0^L (r^+ \sin \theta^+)^2 ds + \int_0^L (r^- \sin \theta^-)^2 ds \right]^{1-\epsilon}.$$



Venue: Queen Mary University of London

Organising Committee: Leonid Parnowski,  
 Mira Shamis, Sasha Sodin, Alexander Soshnikov



[www.maths.qmul.ac.uk/~s\\_sodin/Ilya70](http://www.maths.qmul.ac.uk/~s_sodin/Ilya70)