

Hausdorff School  
“Uniformity and Stability of Oscillatory Integrals”

July 8-12, 2023

organized by  
**Philip Gressman, Dóminique Kemp, Lillian Pierce**

All times are local to Bonn

• **Monday, July 8**

08:45 - 09:00	<i>Self Registration</i>
09:00 - 10:15	<b>Philip Gressman</b> An Introduction to Oscillatory Integrals
10:15 - 11:00	<i>Coffee Break and Group Photo</i>
11:00 - 12:15	<b>James Wright</b> A unified theory for oscillatory integrals defined over locally compact fields
12:15 - 14:00	<i>Lunch Break</i>
14:00 - 15:15	<b>Ruixiang Zhang</b> A stationary set method for estimating oscillatory integrals
15:15 - 16:15	<i>Coffee Break</i>
16:15 - 17:30	<b>Michael Christ</b> On multilinear implicitly oscillatory integrals
<i>afterwards</i>	<i>Get together</i>

• **Tuesday, July 9**

09:00 - 10:15	<b>Philip Gressman</b> An Introduction to Oscillatory Integrals
10:15 - 11:00	<i>Coffee Break</i>
11:00 - 12:15	<b>James Wright</b> A unified theory for oscillatory integrals defined over locally compact fields
12:15 - 14:00	<i>Lunch Break</i>
14:00 - 15:15	<b>Ruixiang Zhang</b> A stationary set method for estimating oscillatory integrals
15:15 - 16:15	<i>Coffee Break</i>
16:15 - 17:30	<b>Michael Christ</b> On multilinear implicitly oscillatory integrals

• **Wednesday, July 10**

09:00 - 10:15	<b>Philip Gressman</b> An Introduction to Oscillatory Integrals
10:15 - 11:00	<i>Coffee Break</i>
11:00 - 12:15	<b>James Wright</b> A unified theory for oscillatory integrals defined over locally compact fields
12:15 - 14:00	<i>Lunch Break</i>
14:45 - 15:45	<b>Ian Petrow</b> (MPIM, Vivatsgasse 7, Bonn) Oscillatory integrals and stationary phase estimates in analytic number theory
16:00 - 16:45	<i>Coffee Break</i>
16:45 - 17:35	<b>Hong Wang</b> (MPIM, Vivatsgasse 7, Bonn) Incidence estimate and oscillatory integrals

• **Thursday, July 11**

09:00 - 10:15	<b>Ian Petrow</b> Oscillatory integrals and stationary phase estimates in analytic number theory
10:15 - 11:00	<i>Coffee Break</i>
11:00 - 12:15	<b>Ruixiang Zhang</b> A stationary set method for estimating oscillatory integrals
12:15 - 14:00	<i>Lunch Break</i>
14:00 - 15:15	<b>Michael Christ</b> On multilinear implicitly oscillatory integrals
15:15 - 16:15	<i>Coffee Break</i>
16:15 - 17:05	<b>Dominique Maldague</b> Problems in Fourier restriction theory

• **Friday, July 12**

09:00 - 10:15	<b>Ian Petrow</b> Oscillatory integrals and stationary phase estimates in analytic number theory
10:15 - 11:00	<i>Coffee Break</i>
11:00 - 11:50	<b>Dóminique Kemp</b> Restriction over Frenét boxes and applications to maximal averages over space curves
12:15 - 14:00	<i>Lunch Break</i>
14:00 - 15:15	<b>Michael Christ</b> On multilinear implicitly oscillatory integrals
15:15 - 16:15	<i>Coffee Break</i>
16:15 - 17:05	<b>Polona Durcik</b> Estimates in harmonic analysis with applications to ergodic averages
<i>afterwards</i>	<i>closing</i>