



Im Rahmen der

AG Komplexe Analysis

laden wir zu folgender Vortragsreihe ein:

Complex discs and their applications

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Die Vorträge finden statt in der Zeit **14.10.2019 bis 28.10.2019** in den Räumen D.13.11 und G.15.25.

Lecture 1 & 2 (Monday, 14.10., 16:00-18:00, D.13.11)

1. Complex discs. Continuity principle. CR manifolds and CR functions.
2. The edge-of-the-wedge theorem. Baouendi-Treves approximation theorem.

Lecture 3 & 4 (Tuesday, 15.10., 16:00-18:00, G.15.25)

3. Bishop's equation. Levi form and wedge-extendibility.
4. Minimality and finite type. Defect and perturbations of a complex disc.

Lecture 5 & 6 (Monday, 21.10., 16:00-18:00, D.13.11)

5. Minimality implies wedge extendibility. Extremal and stationary discs.
6. Existence of non-defective stationary discs. Regularity and finite jet determination of CR mappings.

Lecture 7 & 8 (Tuesday, 22.10., 16:00-18:00, G.15.25)

7. Kneser-Lewy extension theorem. Strip-problems.
8. Analytic continuation from a family of lines.

Lecture 9 & 10 (Monday, 28.10., 16:00-18:00, D.13.11)

9. Boundary Hartogs theorems.
10. Almost complex structures. J-complex discs in a cylinder.

Alle Interessenten sind herzlich eingeladen!

gez. Prof. N. Shcherbina