THEMEN FÜR DIE VORTRÄGE

1. **Subharmonische Funktionen.** [7, §1.6]

2. **Holomorphiegebiete.** [7, §2.5 bis Theorem 2.5.5]

3. **Pseudokonvexe Gebiete I.** [7, §2.6 bis Theorem 2.6.7]

4. **Pseudokonvexe Gebiete II.** [7, §2.6 Theorems 2.6.12 & 2.6.13]

5. **Local parametrization theorem.** [1, §II.4.2] [6, §D]

6. **Čech Kohomologie. Satz von Leray.** [1, §IV.5], [7, §7.3, §7.4]

7. **Runge-Approximation.** $H^1(X, \mathcal{O})$**.** [2, §26, §18, §20]

8. **Sätze von Mittag-Leffler/Weierstrass; Cousin-Problem.** [2, §26, §18, §20], [11, §VI.6], [7, §5.5] [8, §13]

9. **Fortsetzung holomorpher Funktionen von einer analytischen Menge.** [9, §2.2, §5.1] insbesondere [9, Theorems 2.5 & 5.6]

10. **Berechnung von** $H^q(\mathbb{P}^n, \mathcal{O}(p))$**.** [1, §VII.10], [5, THEOREM II. Q, p. 51]

11. **Spaltungssatz von Grothendieck.** Jedes Vektorbündel auf $\mathbb{P}^1$ spaltet in eine direkte Summe von Geradenbündeln $O(k)$. [3], [4], [10, S. 22-26].

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