Math 562: Spring 2023
Complex Variables II

Instructor: Prof. Jens Lorenz
SMLC 226
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office hours: MW 2-3:30

Time and Place: MWF 11-11:50, Dane Smith Hall 328

Texts: Recommended:
Liang–Shin Hahn, Bernard Epstein, Classical Complex Analysis, Jones and Bartlett Publishers

Topics: The Riemann mapping theorem; Schwarz–Christoffel integrals; applications of complex variables to linear algebra; Riemann’s $\zeta$–function and the prime number theorem; applications of complex variables to Fourier transformation; Paley–Wiener theorems; Hadamard’s factorization theorem.

Basis for grading: The grade will be determined by your homework.

Note: Qualified students with disabilities needing appropriate academic adjustments should contact me as soon as possible to ensure your needs are met in a timely manner.