

ELEMENTARY SEMINAR ON SERIES AND INTEGRALS

1964, First semester

Professor: Juan Carlos Merlo

Elementary notions about general topology. Euclidean spaces.  
Linear methods of summability. Toeplitz matrices. Cesaro and  
Abel summability. Application to Fourier series: Dirichlet,  
Fejer and Poisson's kernels.

Functions of bounded variation. Stieltjes integral. Riesz's  
theorem on representation of positive linear functionals on

$C_0$ .

Stone-Weierstrass approximation theorem.

Juan Carlos Merlo.

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