PROFESSOR PETER IMKELLER

A FOURIER ANALYSIS BASED NEW LOOK AT INTEGRATION

THE STOCHASTIC APPROACH OF KOLMOGOROV'S EQUATION BY IT'O CREATED

A NEW YORK OF INTEGRAL NOT COMPRESS BY CLASSICAL TREADY. THE CONCESSION

had to take into account the erratic structure of the trajectories of stochastic processes of diffusion type. Lyon's rough path analysis led to a pathwise understanding of this integral. In 1961, Cieselski established a remarkable isomorphism of spaces of Hölder continuous

FUNCTIONS AND BANACH SPACES OF REAL VALUED SEQUENCES. IT IS MEDIATED
ALONG FOURIER TYPE EXPANSIONS OF (ROUGH) HÖLDER CONTINUOUS
FUNCTIONS IN TERMS OF THE HAAR-SCHAUDER WAVELET. IN OUR APPROACH
OF ROUGH INTEGRATION WILL USE SCHAUDER REPRESENTATIONS FOR A PATHWYSS

APPROACH OF THE INTEGRAL OF ONE BOOGLE HENCTION WITH RESPECT TO ANOTHER ONE. IN A MORE GENERAL AND ANALYTICAL SETTING, THE STRIVENING, THE STRIVENING AND STRIVENING AND STRIPE AND AND ANALYTICAL STRIPE AND AND ANALYTICAL STRIPE ANALYTICAL STRIPE AND ANALYTICAL STRIPE AND ANALYTICAL STRIPE AND ANALYTICAL STRIPE AND ANALYT