Faculty of Engineering & Technology

Transformations & Complex Analysis

Information :

Course Code :	EMP214	**Level** :	Undergraduate	**Course Hours :**	3.00- Hours

Department :	Mechatronics Engineering

Description :

Trigonometric series; Fourier series, integrals and transforms; Taylor and Laurent theories; Cauchy integral theorem; Singularity and residue theorem; Convolution and Laplace transform; Inverse Laplace transform methods; Conformal mapping; Fundamentals of z transform; Inverse z-transform methods; Difference equation and solution using z-transform technique; Applications using MATLAB.

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