

# **Integral transforms and their applications**

**التحويلات التكاملية وتطبيقاتها**

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## ***Dedication***

To my

Mother,

Wife,

Sisters,

Brothers,

and friends.

## ***Acknowledgement***

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## **Abstract**

Integral transforms (Laplace, Fourier and Mellin) are introduced with their properties, the relationship between these transforms was discussed and some important applications in physics and engineering were given.

## محتويات

لقد تم إستعراض ودراسة التحويلات التكاملية لكل من تحويلات لابلاس ، فورير وميلين مع مناقشة خصائص و خواص كل منها، وكذلك تم مناقشة العلاقة والربط بين هذه التحويلات، وتم تقديم بعض التطبيقات المهمة لهذه التحويلات في مجالات الفيزياء والهندسة.

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