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In addition to Introduction to Fourier Optics, Dr. Goodman is the author of Statistical Optics (J. Wiley & Sons, 1985) and the editor of International Trends in Optics (Academic Press, 1991).

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an introduction to fourier series, transform and fourier optics. This is a sequel of three tutorials, Fourier Optics I, II and III. This is scanned version of the lectures given in the American College, Madurai from 1972.

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Introduction; brief history of optics; absorption

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Introduction to Fourier optics / Joseph W. Goodman

The Fourier Transform is a mathematical technique that transforms a function of time, $x(t)$, to a function of frequency, $X(f)$. It is closely related to the Fourier Series . If you are familiar with the Fourier Series , the following derivation may be helpful.

Introduction to the Fourier Transform - Swarthmore College

De Poincaré à Perelman : une histoire mathématique du XXe siècle, par Gérard Besson, Institut Fourier, Grenoble

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