

PROCEDURE FOR MODELING EXPERIMENTAL DATES USING THE FOURIER FUNCTION

Mariana Drișcu¹

¹Technical University “Gheorghe Asachi” of Iasi-Romania, Faculty of Textiles and Leather Engineering

Corresponding author: Mariana Drișcu, mcocea@tex.tuiasi.ro

Abstract: In this paper, one presents the method of finding of the function $G(x)$, belonging to a Fourier series, which approximates the numerical values for the position parameters following the shift of the peg and a rotation angle, with the biggest accuracy. This analysis seems even more important, when we consider the fact that most of the machines used in textile industry nowadays use a cam mechanism. For this, one presents the method of finding of the function $G(x)$, belonging to a **Fourier series**, which approximates the numerical values for the position parameters following the shift of the peg and a rotation angle, with the biggest accuracy.

Key words: dates, modeling, function, cam