

## “MAPLE”DA SO’NUVCHI ELEKTROMAGNIT TEBRANISHLARNING MATEMATIK TAHLILI

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### ANNOTASIYA

Maqolada so’nuvchi elektromagnit tebranish qonunlarining differensial tenglamalar yordamida matematik modeli tuzilgan, hisoblash dasturi yordamida jarayonni tahlil qilish usullari yoritilgan.

**Kalit so’zlar:** amplituda, differensial tenglama, kompyuter dasturi, matematik model, elektromagnit tebranish, tebranish chastotasi.

### MATHEMATICAL ANALYSIS OF FADING ELECTROMAGNETIC VIBRATIONS IN "MULTISIM"

#### ABSTRACT

In the paper develops a mathematical model of the laws of electromagnetic vibration of extinction using differential equations, describes the methods of process analysis using a computational program.

**Keywords:** amplitude, computing program, differential equation, electromagnetic vibration, mathematical model, vibration frequency.