### Министерство образования Республики Беларусь

### Учреждение образования

## «Белорусский государственный университет информатики и радиоэлектроники»

### Лабораторная работа №4

# РАСЧЕТ СПЕКТРА СОСТАВНОГО ПЕРИОДИЧЕСКОГО СИГНАЛА И ЕГО ФИЛЬТРАЦИЯ В МАТНСАD

Выполнил: Студент гр.960801 Малевич И.Л.

Проверил: Беленкевич Н.И.

$$fg := 13.2 \cdot 10^6 \cdot 6 \quad T := 0.05 \cdot 10^{-3} \qquad \tau := \frac{0.04 \cdot 10^{-3}}{12.2}$$

$$N := T \cdot fg = 3.96 \times 10^3 \qquad N := 4090 \qquad \tau 1 := \frac{0.01 \cdot 10^{-3}}{5}$$

$$t_{c} fiset := 5 \cdot \tau 1$$

$$a_{grow} := 0 \quad b_{grow} := 0$$

$$t_{grow_{c}} begin := 0 \qquad t_{grow_{c}} end := 2 \cdot \tau 1$$

$$A_{grow_{c}} begin := 0 \qquad t_{grow_{c}} end := 2 \cdot \tau 1$$

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 $\left(0 + 1 \cdot \cos\left(2 \cdot \pi \cdot 12.4 \cdot 10^6 \cdot t\right)\right)$  if t offset + 11.5  $\tau$  < t \le t offset + 12.2  $\tau$ 

