

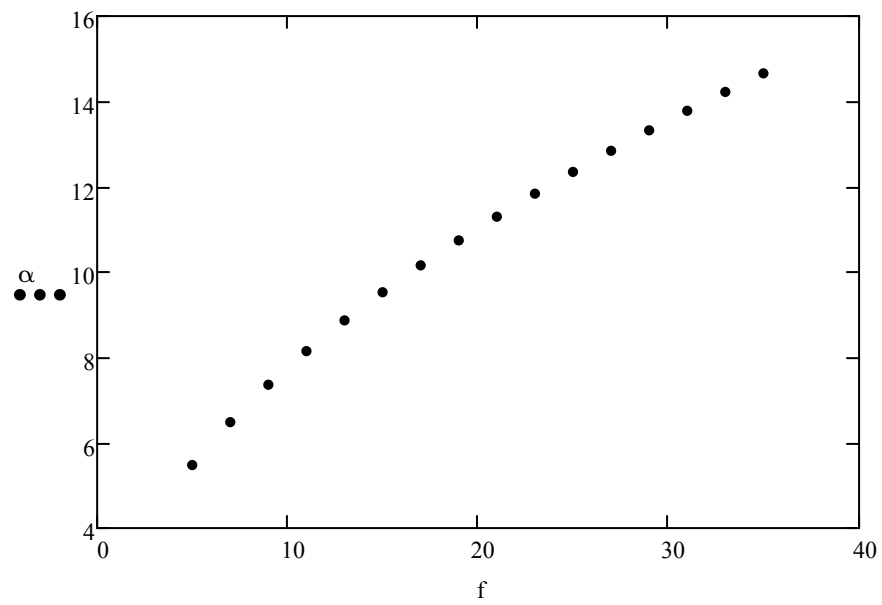
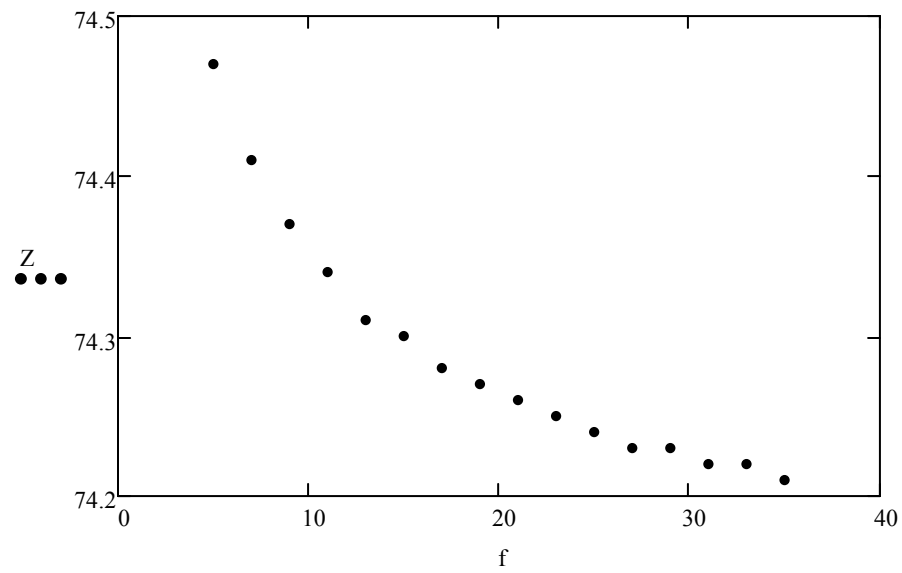
```
TData := READPRN("data.prn")
```

```
N := rows(TData)
```

```
f := submatrix(TData,0,N-1,0,0)
```

```
Z := submatrix(TData,0,N-1,1,1)
```

```
 $\alpha$  := submatrix(TData,0,N-1,2,2)
```



Gr1 := READPRN("graph1.prn")

N1 := rows(Gr1)

f1 := submatrix(Gr1,0,N1 - 1,0,0)

Z1 := submatrix(Gr1,0,N1 - 1,1,1)

Функции для linfit

$$F(x) := \begin{pmatrix} x \\ \sqrt{x} \\ 1 \end{pmatrix}$$

C := linfit(f,Z,F)

$$C = \begin{pmatrix} 0.016 \\ -0.199 \\ 74.826 \end{pmatrix}$$

Ze(x) := C^T·F(x)

Gr2 := READPRN("graph2.prn")

N2 := rows(Gr2)

f2 := submatrix(Gr2,0,N2 - 1,0,0)

α2 := submatrix(Gr2,0,N2 - 1,1,1)

Функция для genfit

$$G(x,a) := \begin{pmatrix} a_0 + a_1 \cdot \sqrt{x} + \frac{a_2}{\sqrt{x}} \\ 0 \\ \sqrt{x} \\ \frac{1}{\sqrt{x}} \end{pmatrix}$$

$$vg := \begin{pmatrix} 0 \\ -1 \\ 1 \end{pmatrix}$$

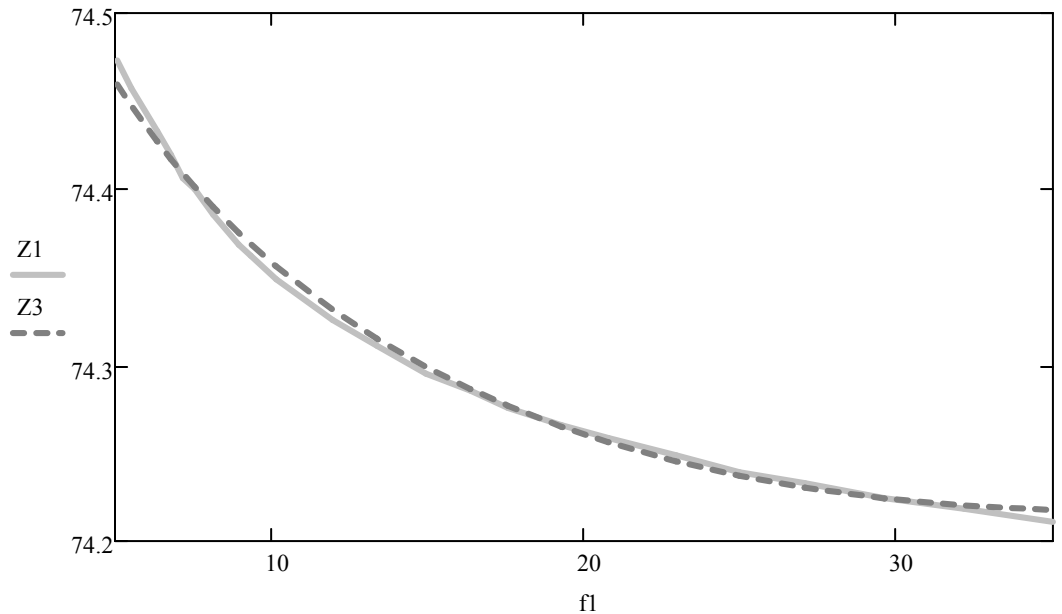
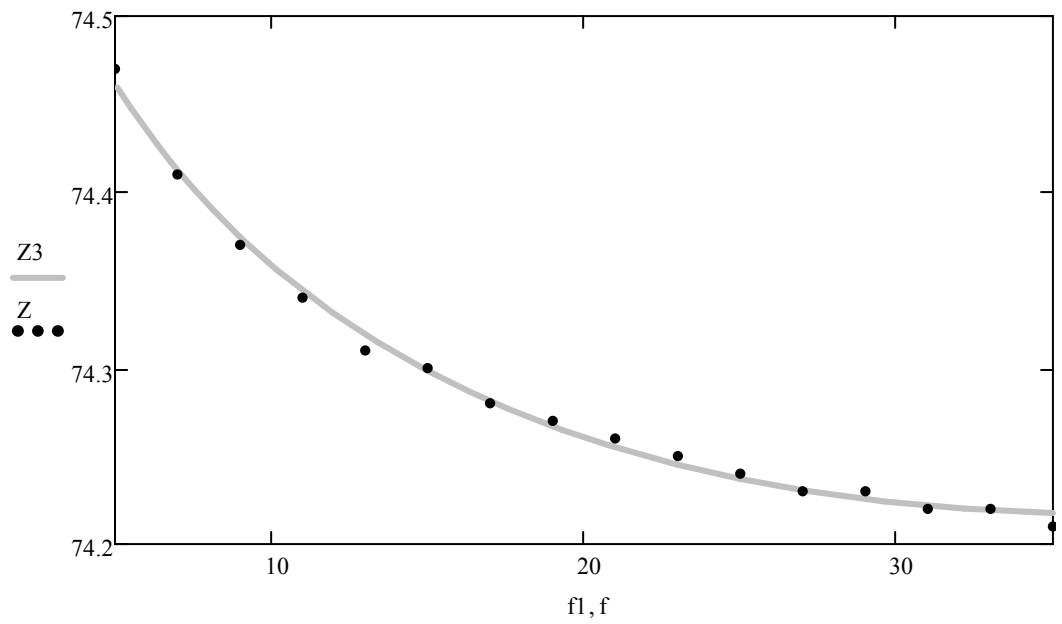
A := genfit(f,α,vg,G)

$$A = \begin{pmatrix} 0 \\ 2.48 \\ -0.221 \end{pmatrix}$$

αe(x) := G(x,A)₀

j := 0..rows(f1) - 1

Z3_j := Ze(f1_j)



$j := 0..rows(f1) - 1$

$\alpha 4_j := \alpha e(f2_j)$

