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Transmisja danych Lab 1

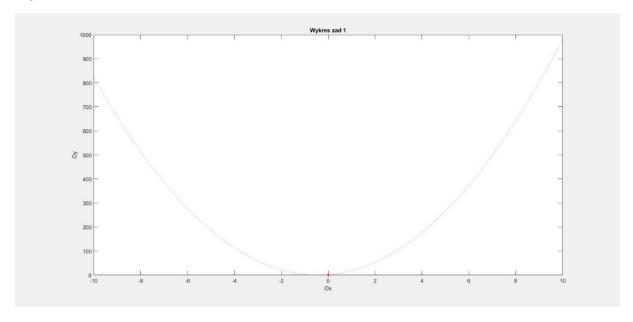
Zad 1

Kod źródłowy:

save.close();

```
⊡#include <iostream>
#include <fstream>
□int main()
     float det = b * b - 4 * a * c;
cout << "Wyznacznik: " << det << "." << endl;
      if (det < 0)
          cout << "Brak miejsc zerowych." << endl;</pre>
     else if(det == 0)
          cout << "Istnieje jedno miejsce zerowe t=" << t << "." << endl;</pre>
      {
          float t1 = (-b + sqrt(det)) / 2 * a;
          float t2 = (-b - sqrt(det)) / 2 * a;
          cout << "Istnieją dwa miejsca zerowe t1=" << t1 << ", t2=" << t2 << "." << endl;
      ofstream save("data.txt");
     for (double i = -10; i < 10; i = i + 0.01)
         save << fun << endl;
```

Wykres:



<u>Zad 2</u>

Kod źródłowy:

```
#include <iostream>
#include <fstream>
#include <cmath>

using namespace std;

int main()

int a = 9;
int b = 8;
int c = 2;

float pi = 3.14159265359;

//Funkcje y, z, u

for ofstream savez("data_y.txt");
ofstream savez("data_z.txt");
ofstream savez("data_u.txt");
ofstream saveu("data_u.txt");
for (double i = 0; i <= 1; i = i + 1./22050)

//cout << i << endl;
float y = 2 * x * x + 12 * cos(i);
savey << y << endl;
float z = sin(2 * pi * 7 * i) * x - 0.2 * log10(abs(y) + pi);
savez << z << endl;
float u = sqrt(abs(y * y * z)) - 1.8 * sin(0.4 * i * z * x);
save0X << i << endl;
save0X << i << endl;
savev.close();
savey.close();
savey.close();
savev.close();
savev.close();
savev.close();
savev.close();
```

```
saveu.close();
saveOX.close();
ofstream savev("data_v.txt");
for (double i = 0; i \le 1; i = i + 1./22050)
    if (i < 0.22)
        v = (1 - 7 * i) * sin((2 * pi * i * 10) / (i + 0.04));
        v = 0.63 * i * sin(125 * i);
        v = pow(i, -0.662) + 0.77 * sin(8 * i);
    savev << v << endl;
savev.close();
ofstream savep("data_p.txt");
for (double i = 0; i \le 1; i = i + 1. / 22050)
    float p = 0;
        p += (\cos(12 * i * n * n) + \cos(16 * i * n)) / (n * n);
        p += (cos(12 * i * n * n) + cos(16 * i * n)) / (n * n);
    savep << p << endl;
savep.close();
```

Wykresy:

