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Front matter
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lang: ru-RU title: author: \mid institute: \mid date:
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Formatting

toc: false slide_level: 2 theme: metropolis header-includes:

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- '' aspectratio: 43 section-titles: true

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, 13 .
1 ( . [-@fig:001])
```

$$w = sqrt(6.5);$$

$$g = 0.0;$$

Figure 1:

```
f = 0*t;
         endfunction
         function dx=y(t,x)
         dx1 = x(2);
         dx(2) = -w.*w.*x(1)-g.*x(2)-f(t);
         endfunction
                      Figure 2:
                 1 ( . [-@fig:002])
          1 ( . [-@fig:003])
         t0 = 0;
         x0 = [-1;0];
         t = [0 : 0.05 : 75];
                    Figure 3:
                 1 ( . [-@fig:004])
           ( . [-@fig:005])
                                                   ( . [-
     2
@fig:006])
           ( . [-@fig:009])
                                                   ( . [-
     3
@fig:007])
            ( . [-@fig:010])
```

function f=f(t)

```
x = ode(x0,t0,t,y);
n = size(x,"c");
for i = l:n
yl(i) = x(l,i);
y2(i) = x(2,i);
end
plot(yl,y2);
```

Figure 4:

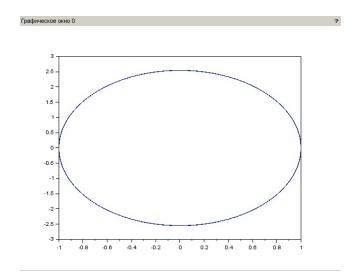


Figure 5:

1

```
function dx=y(t,x)
dx(1) = x(2);
dx(2) = -w.*w.*x(1)-g.*x(2)-f(t);
endfunction
дупреждение : переопределение функции: у

x = ode(x0,t0,t,y);

n = size(x,"c");

for i = 1:n
y1(i) = x(1,i);
y2(i) = x(2,i);
end

plot(y1,y2);

Figure 6: 2
```



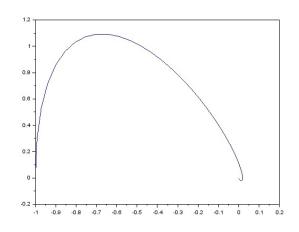


Figure 7: 2

```
g = 3.0;
w = sqrt(7);
function f=f(t)
f = sin(2*t);
endfunction
дупреждение : переопределение функции: f
x = ode(x0,t0,t,y);
n = size(x, "c");
for i = 1:n
yl(i) = x(1,i);
y2(i) = x(2,i);
end
plot(y1,y2);
           Figure 8:
🌉 Графическое окно 0
                                             - □ ×
Файл Инструменты Правка Справка
$ | @, Q, Q, | D Y + | 0
Графическое окно 0
    1.2
    0.4
    0.2
    0.4 - 1 -0.9 -0.8 -0.7 -0.6 -0.5 -0.4 -0.3 -0.2 -0.1 0 0.1 0.2
```

Figure 9:

Wer's nicht glaubt, bezahlt einen Taler