

**The Image
Foundation
and
Works Project**

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Date: 2009.08.25

Outline

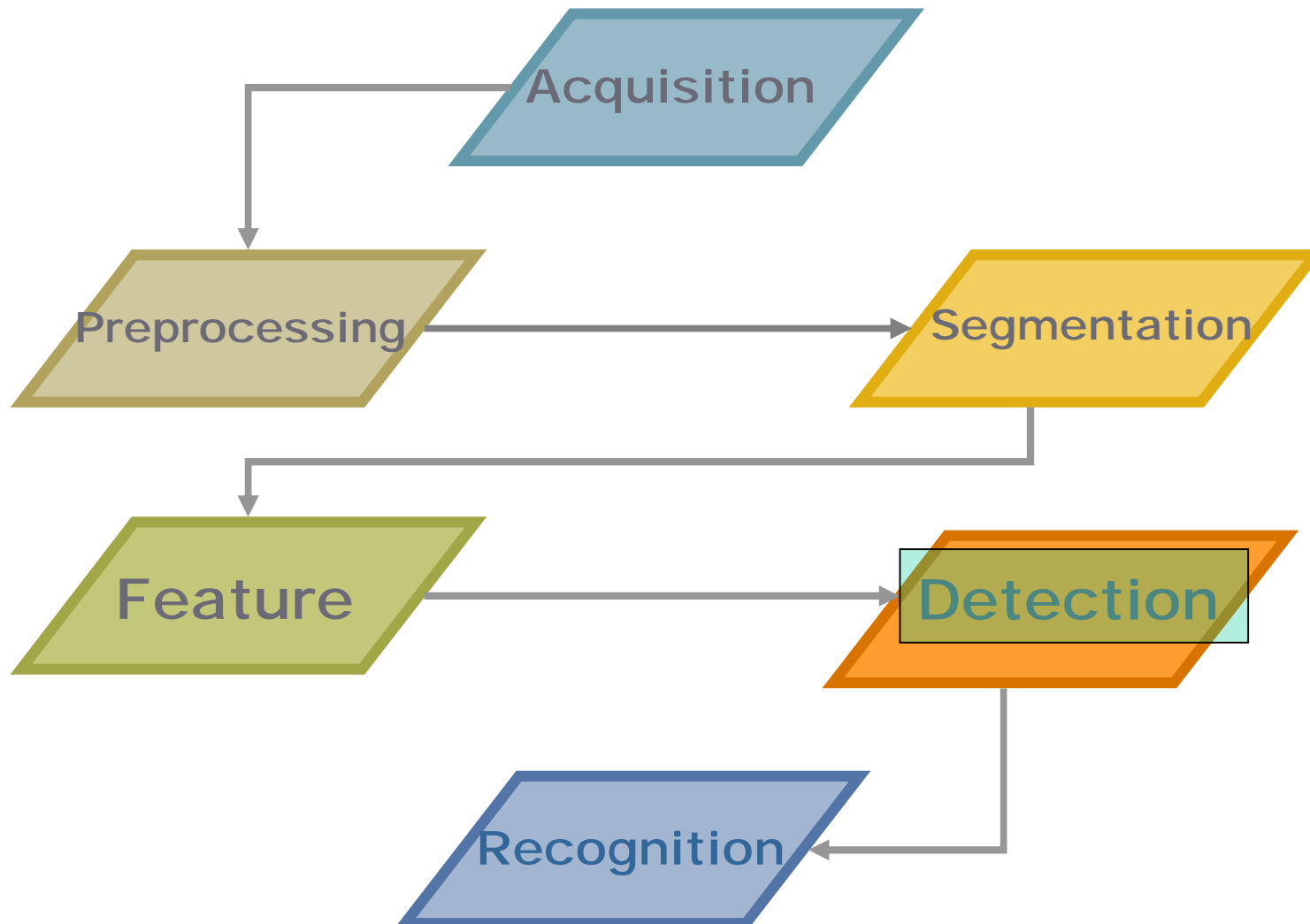
▶ • Begin to learn Recognize

▶ • Material and Method

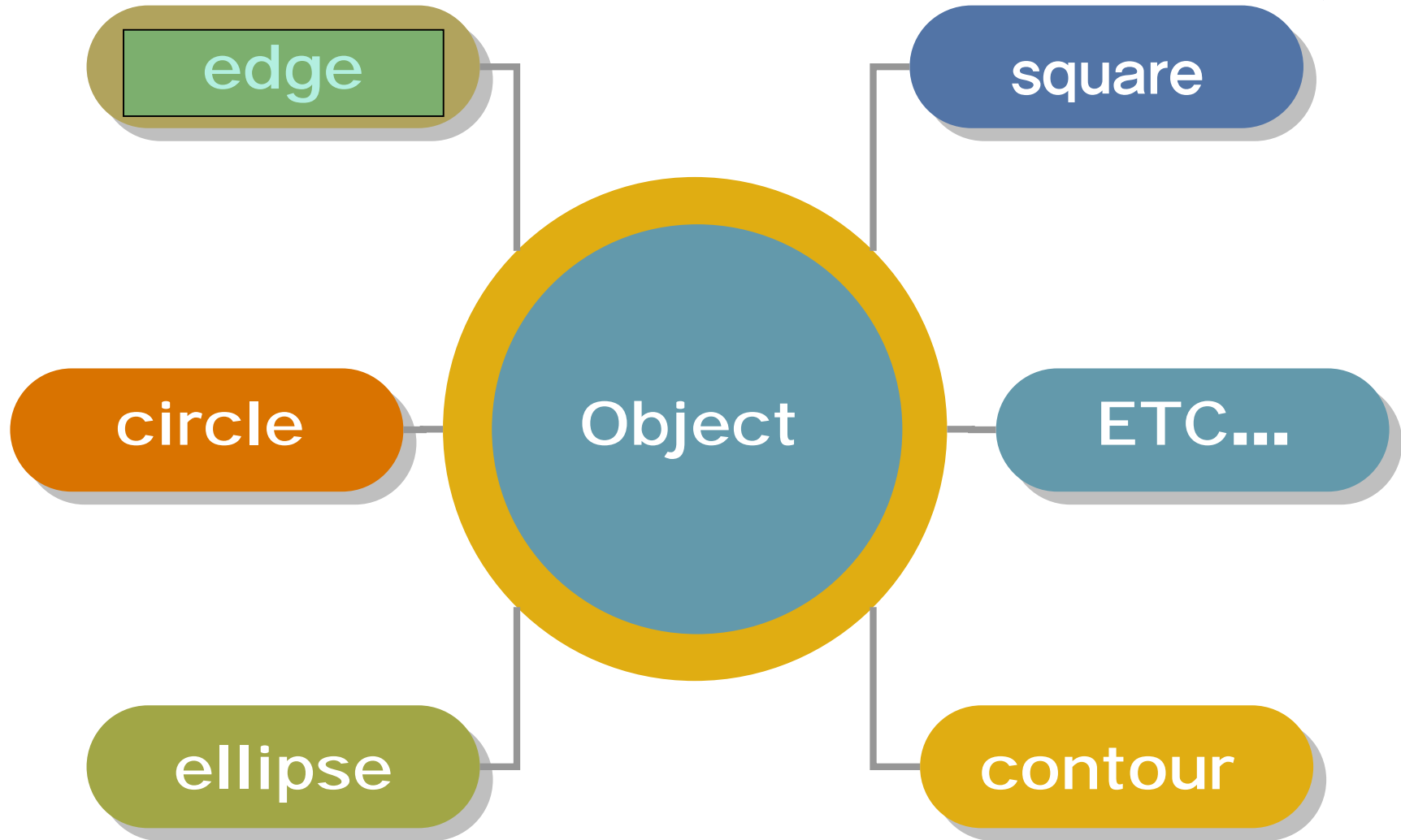
▶ • Works Project

▶ • Result and Improve

Begin to learn Recognize



Material and Method (1/2)



Material and Method (2/2)

Edge dedection



right angle



mistake angle



mistake angle

Outline

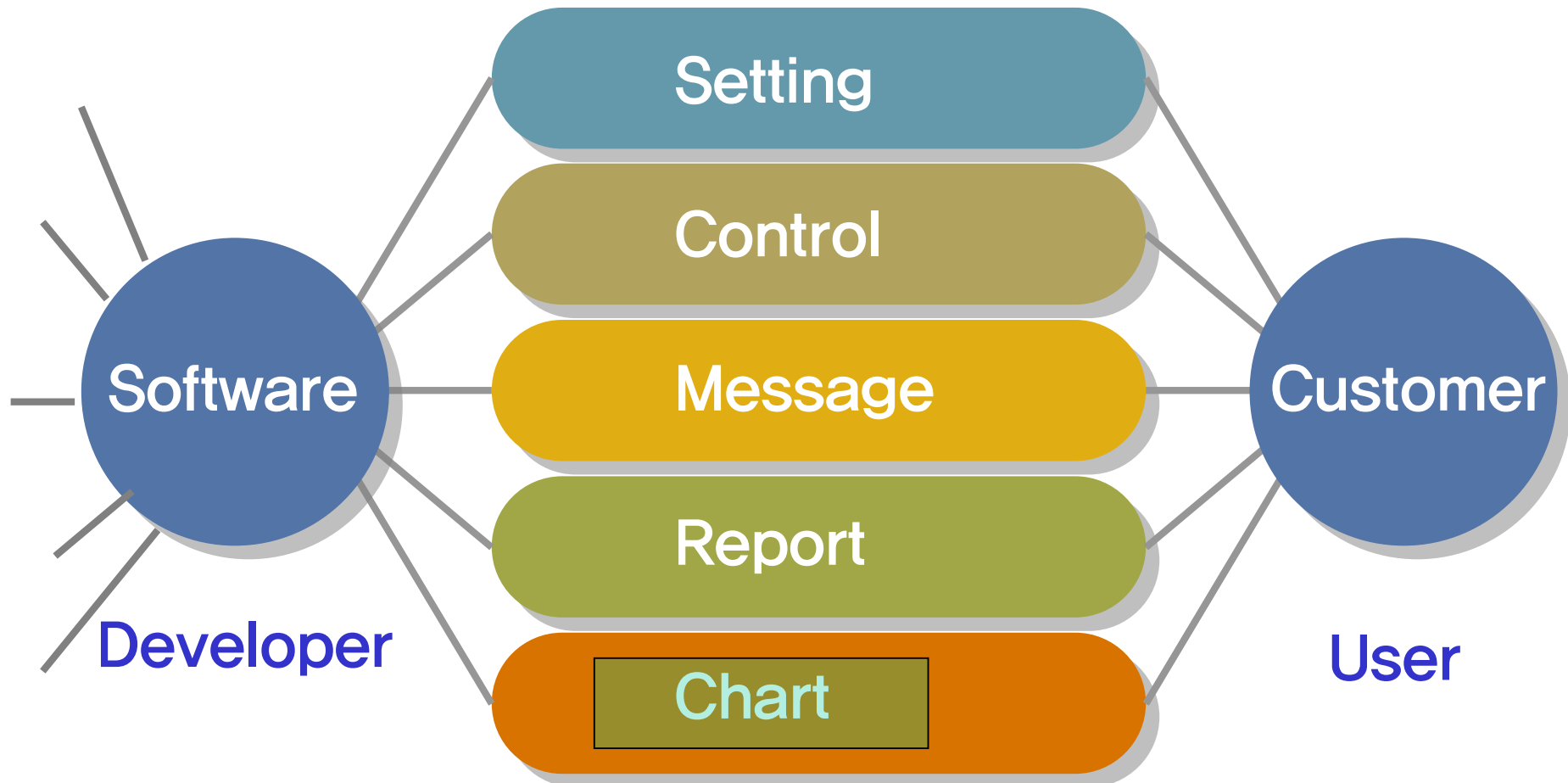
▶ • Begin to learn Recognize

▶ • Material and Method

▶ • Works Project

▶ • Result and Improve

structure



Outline

▶ • Begin to learn Recognize

▶ • Material and Method

▶ • Works Project

▶ • Result and Improve

Result (1/2)

Control Design Analysis and Display



Perform general linear simulations in the time domain



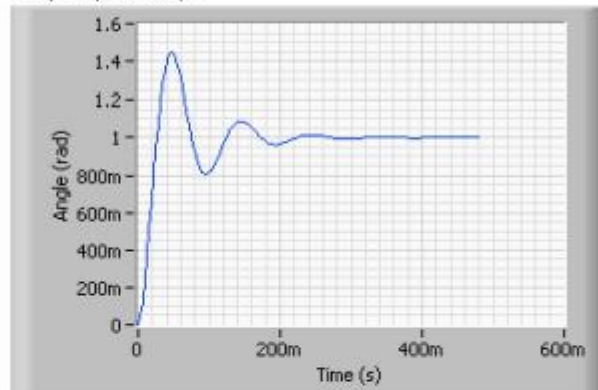
Analyze models in the frequency domain

Calculate dynamic properties of a model

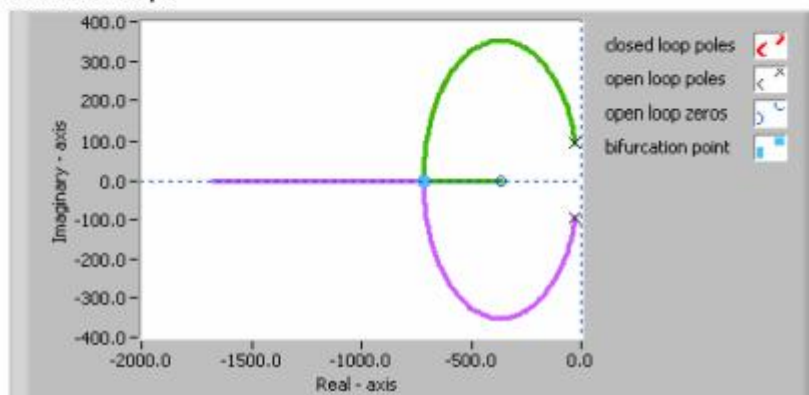


LabVIEW

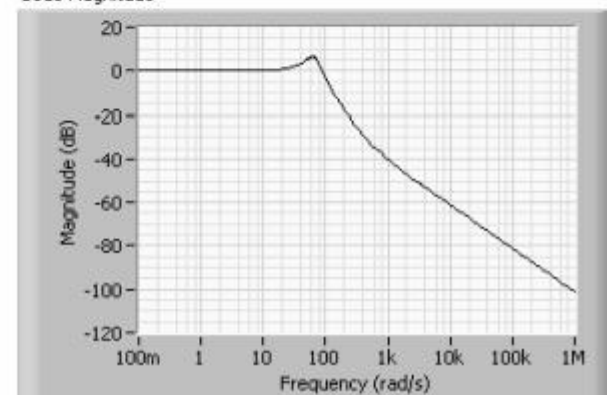
Step Response Graph



Root Locus Graph



Bode Magnitude



Result (1/2)

•Compare

Visual Studio

1. DirectX
2. Video for Windows
3. OpenCV

G Language

1. LabVIEW Vision

GUI

Application (Eye Tracking · Face Recogniz...)

Future Works

Continue improving the chart

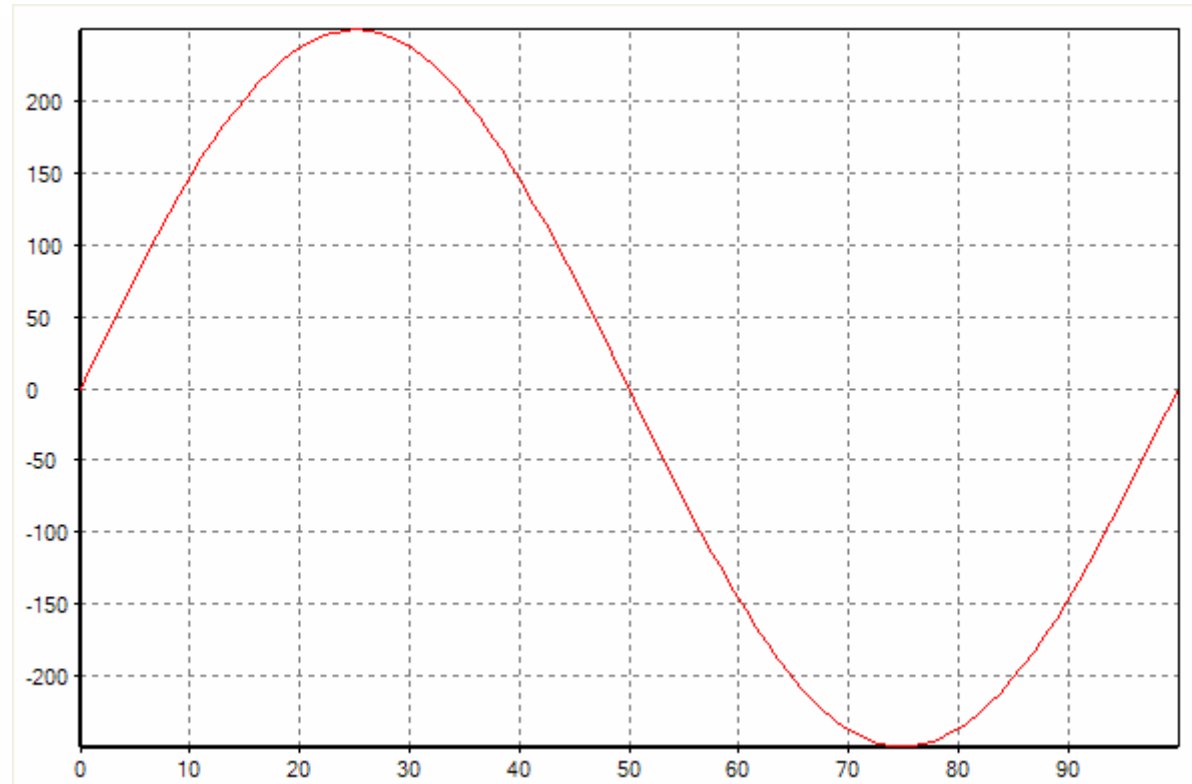
- Mouse Moving and Keyboard KeyDown
- Zoom in/out

Continue to learn Recognize

- color space
- Paper collects in knowledge

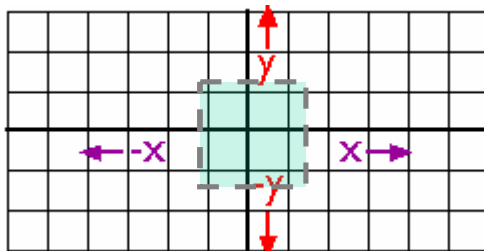
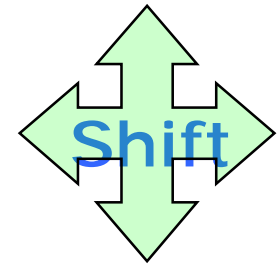
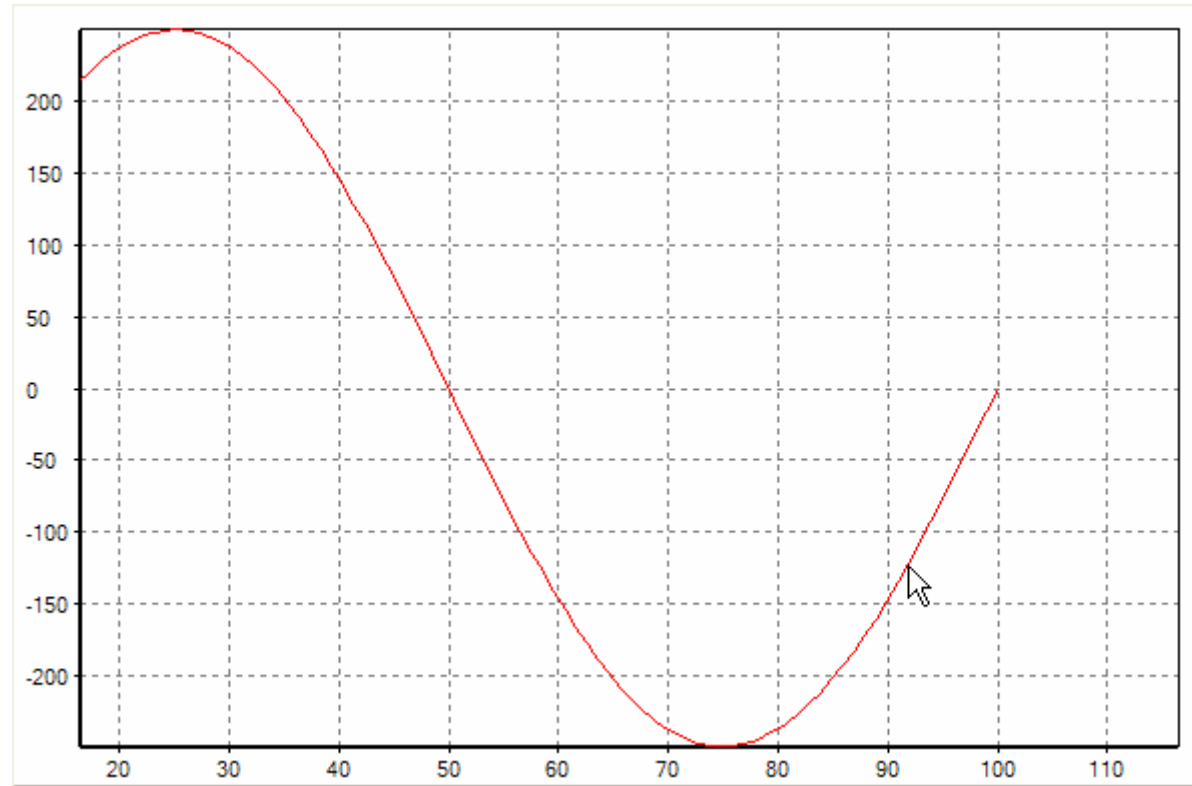
Chart Add-on (1/4)

result



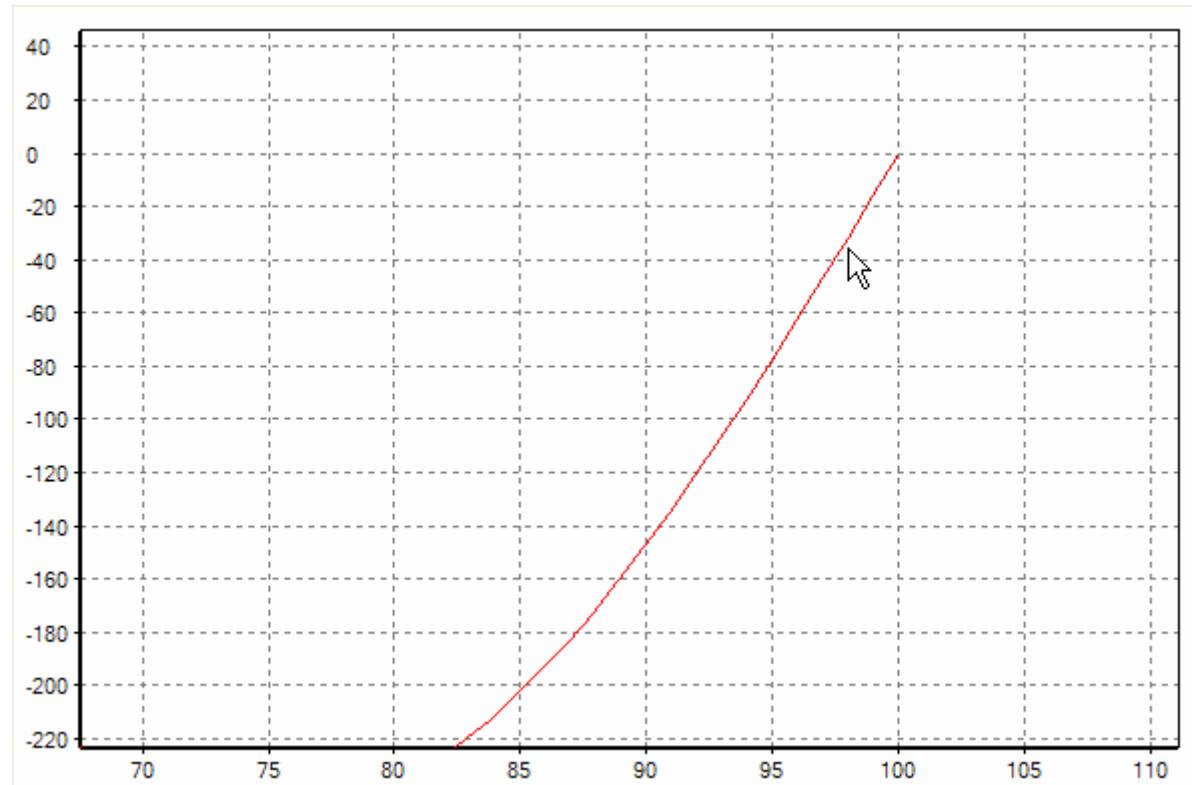
```
for (int i=0;i<NumberPoints;i++)
{
    XValues[i] = XStart + i * Step;
    YValues[i] = Amplitude * (float)sin( 2*3.141592 * XValues[i]/Period );
}
```

Chart Add-on (2/4)

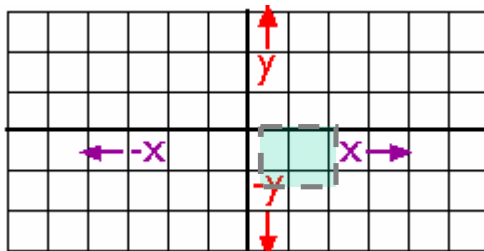


result

Chart Add-on (3/4)

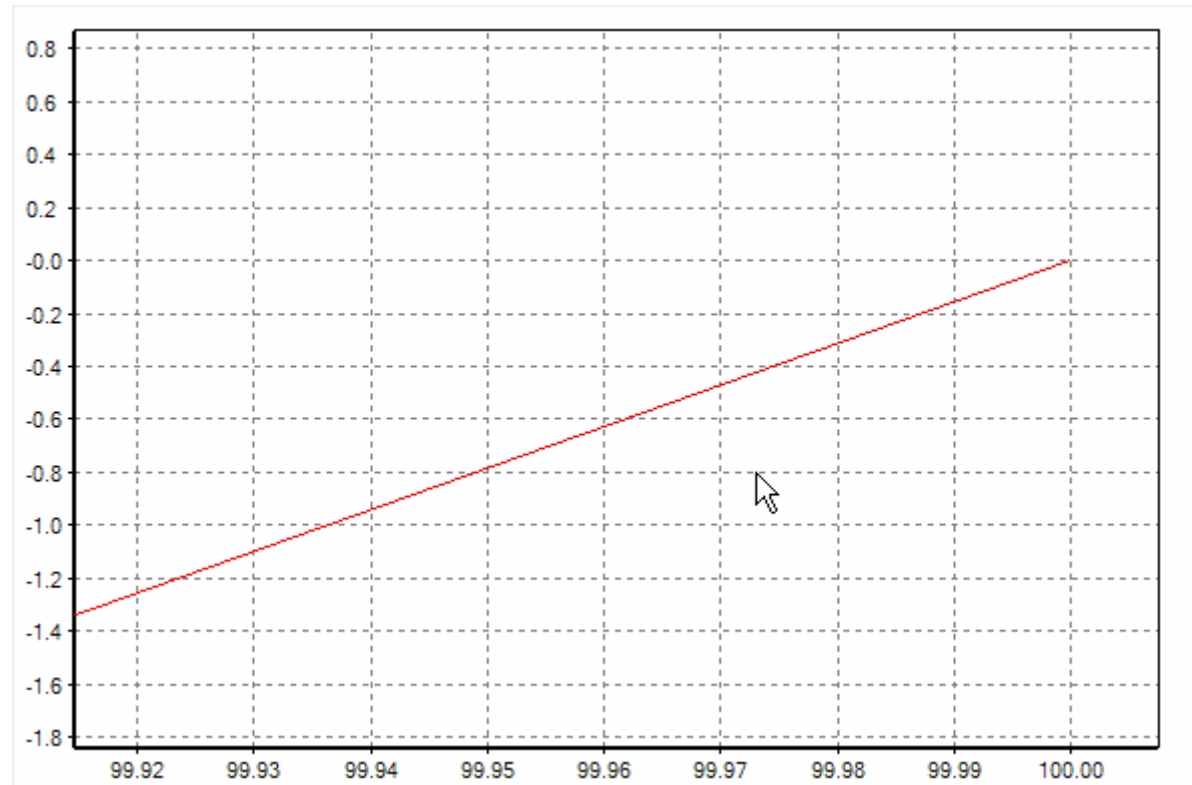


Zoom

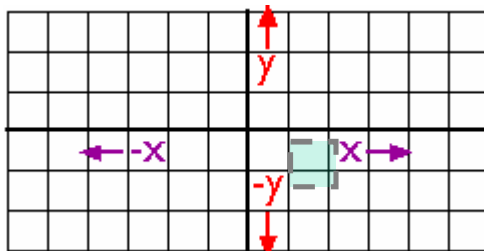


result

Chart Add-on (4/4)



Zoom



result

Thank you for your attention



