



## Computer Vision Lab

### Synthetic images

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### Synthetic images

#### Purpose:

- Creation of test images
- Creation of mask images
- Writing text on images

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### Demonstration of synthetic images

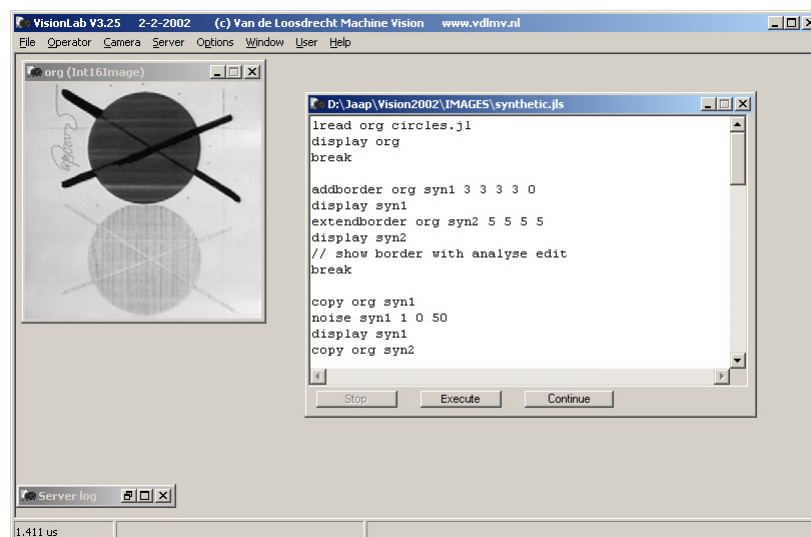
- Open script synthetic.jls
- Read image circles.jl
- AddBorder and ExtendBorder
- Noise and Resample
- SetBorders and SetSelectedToValue
- BlockPattern and LinePattern
- CircleShape and DiskShape
- GaussianShape and GaussianShapeR
- CosineWindow
- SinusPattern
- RampPattern and SetAllPixels
- DrawLine(s), DrawPolygon
- TextOnImage

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### Image circles.jl

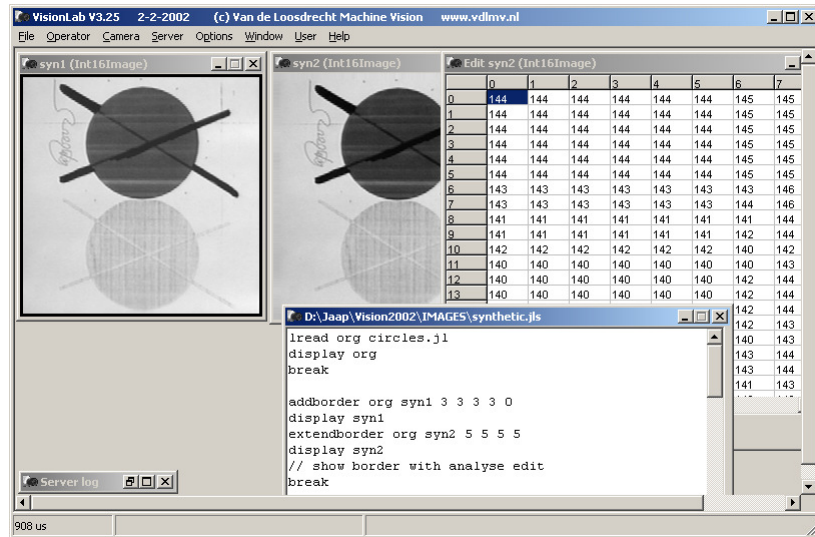


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## AddBorder and ExtendBorder

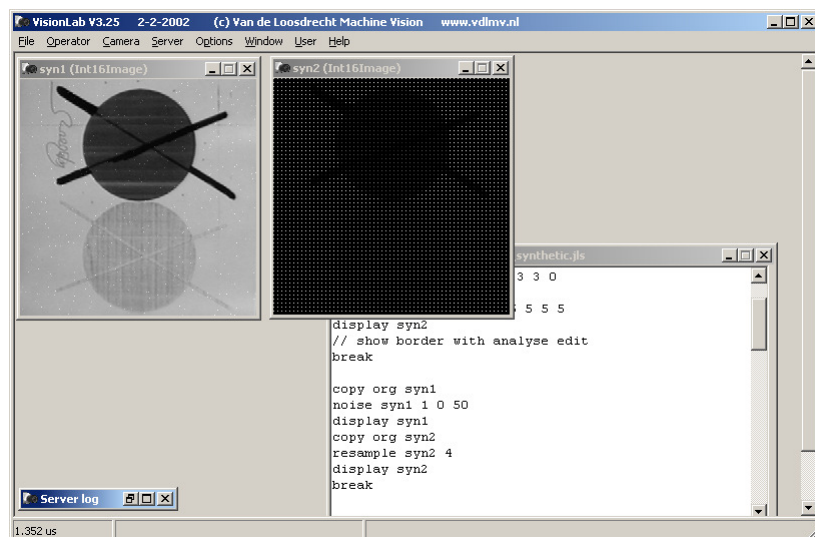


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## Noise and Resample

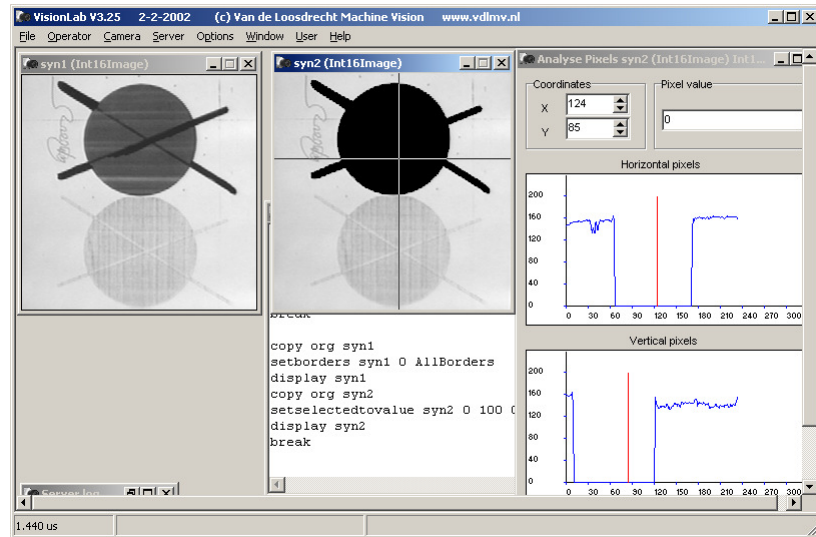


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## SetBorders and SetSelectedToValue

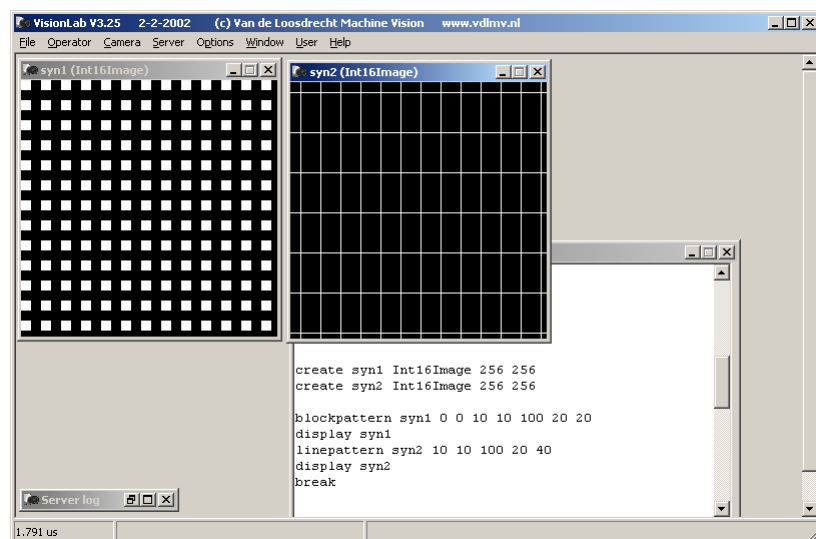


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## BlockPattern and LinePattern

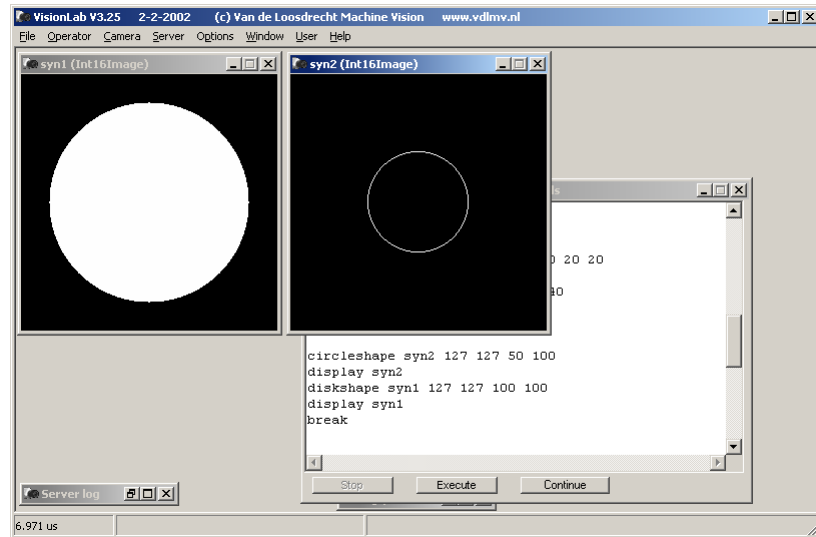


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### CircleShape and DiskShape

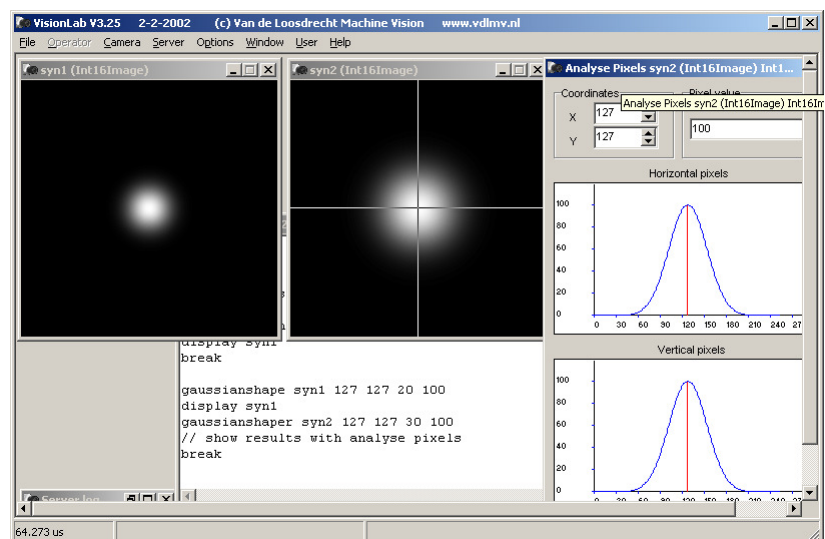


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### GaussianShape and GaussianShaper

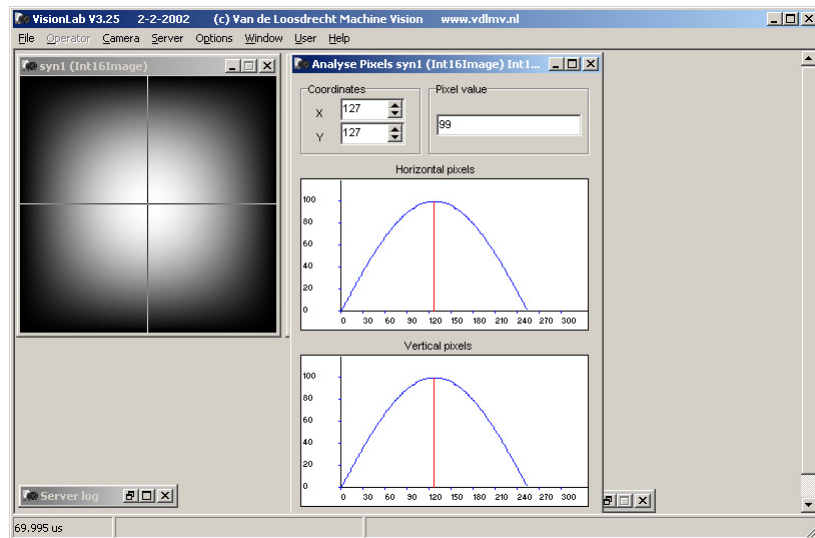


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### CosineWindow

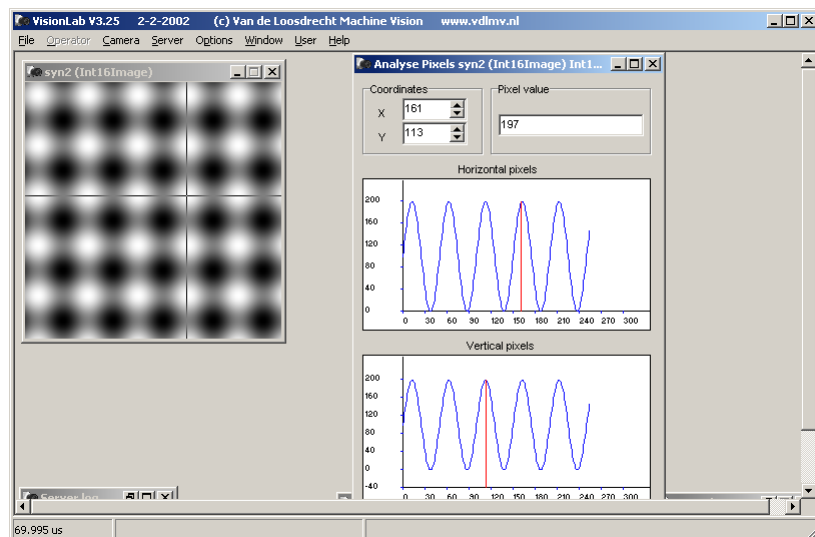


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### SinusPattern

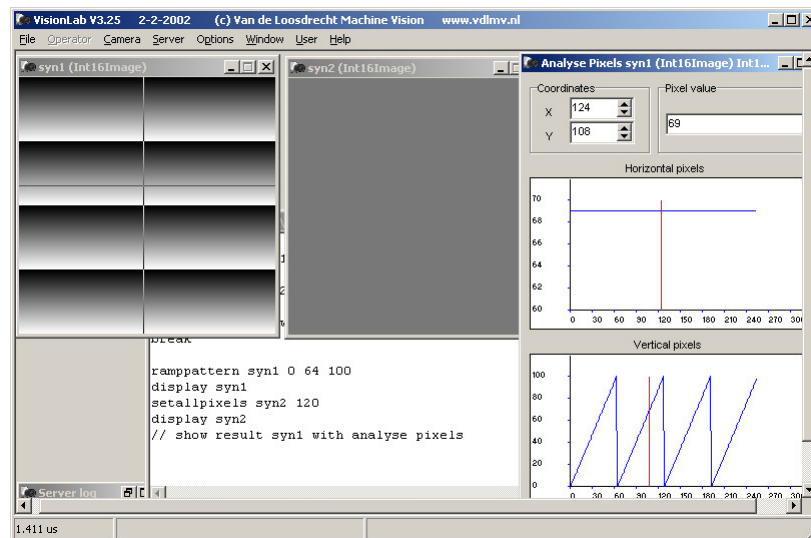


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### RampPattern and SetAllPixels

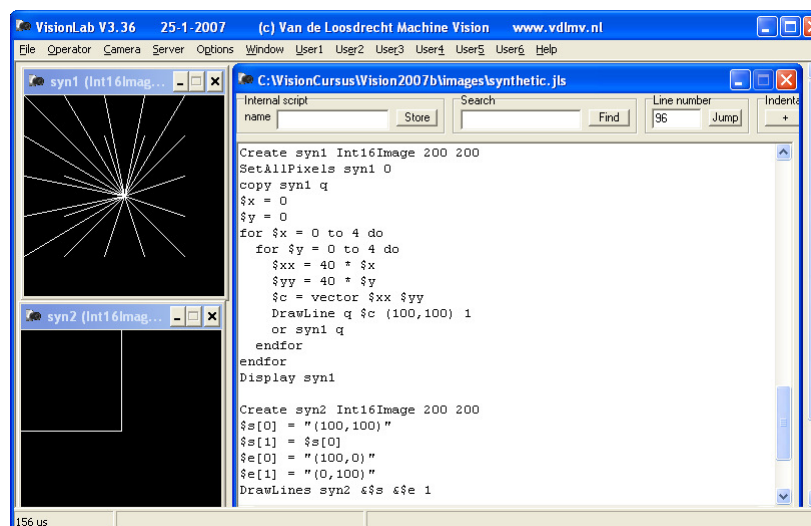


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### DrawLine and DrawLines

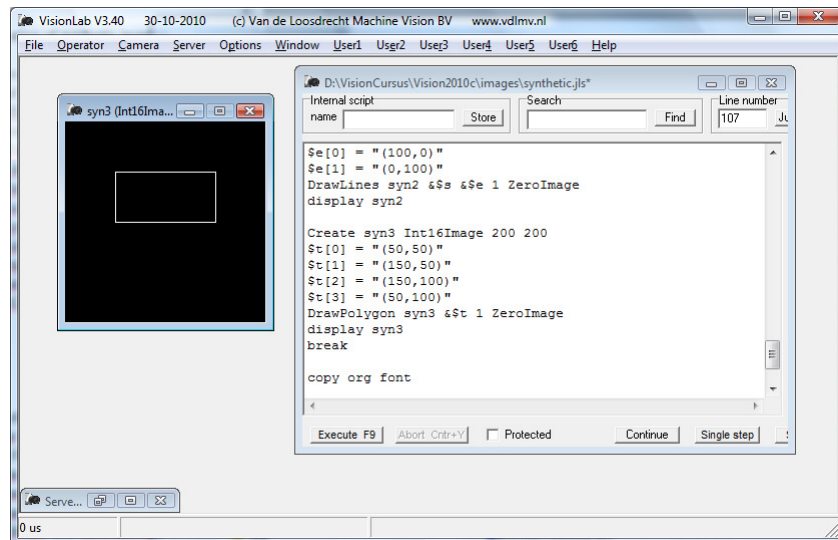


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### DrawPolygon

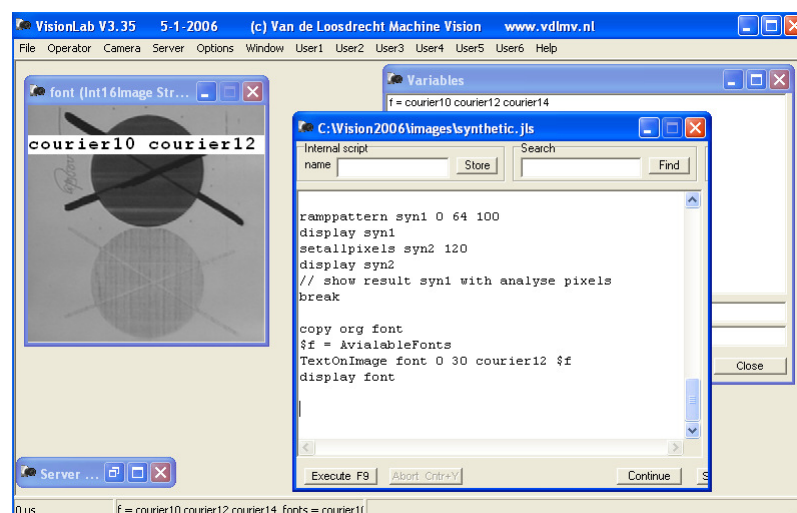


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### TextOnImage(Coord2D)



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### **Exercise**

- **Experiment with the synthetic operators**
- **The synthetic operators will be needed in other exercises**

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