



Computer Vision Lab

Synthetic images

27 August 2008

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Noordelijke Hogeschool Leeuwarden and Van de Loosdrecht Machine Vision
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Synthetic images

Purpose:

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

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Synthetic images

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Demonstration of synthetic images

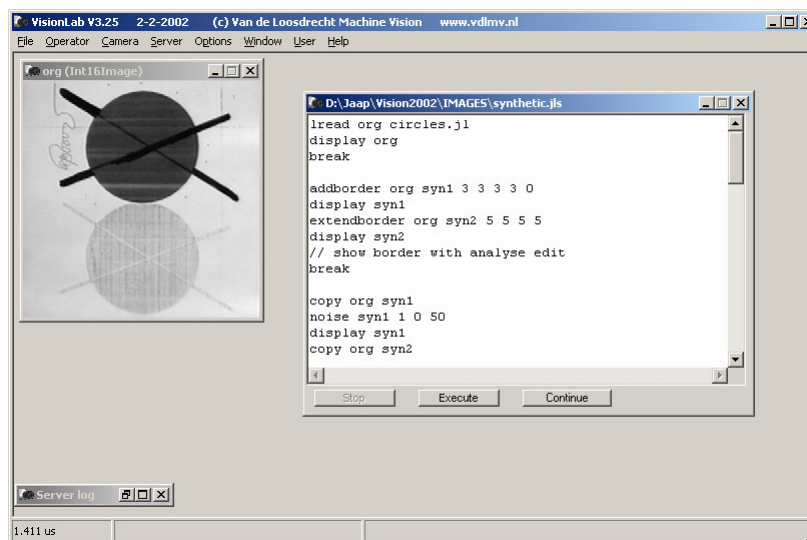
- Open script synthetic.jls
- Read image circles.jl
- AddBorder and ExtendBorder
- Noise and Resample
- SetBorders and SetSelectedToValue
- BlockPattern and LinePattern
- CircleShape and DiskShape
- GaussianShape and GaussianShapeR
- CosineWindow
- SinusPattern
- RampPattern and SetAllPixels
- DrawLine(s)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

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Synthetic images

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Image circles.jl

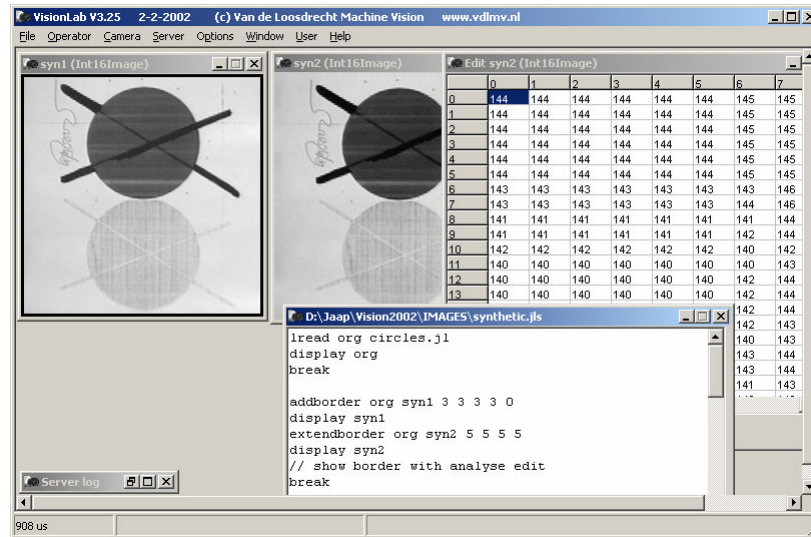


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AddBorder and ExtendBorder

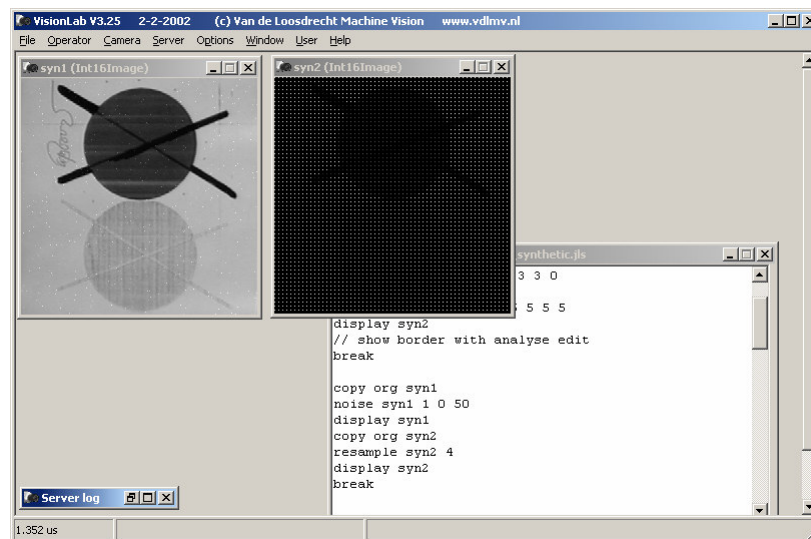


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Noise and Resample

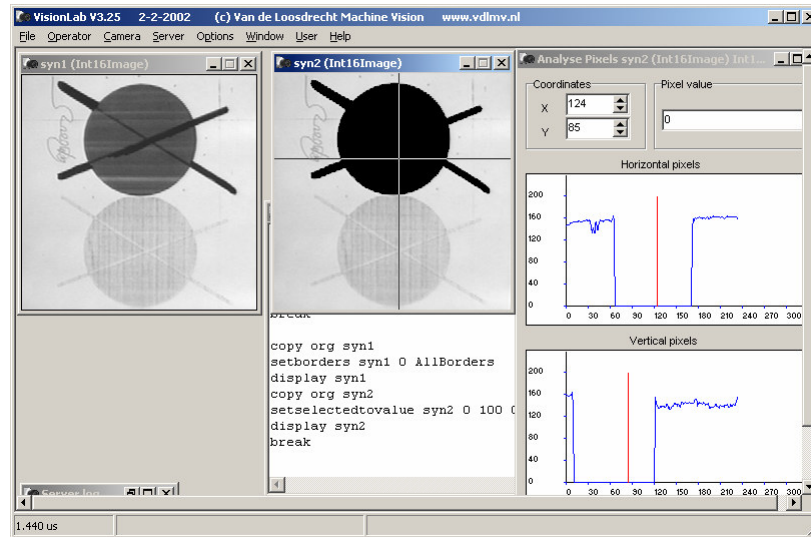


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SetBorders and SetSelectedToValue

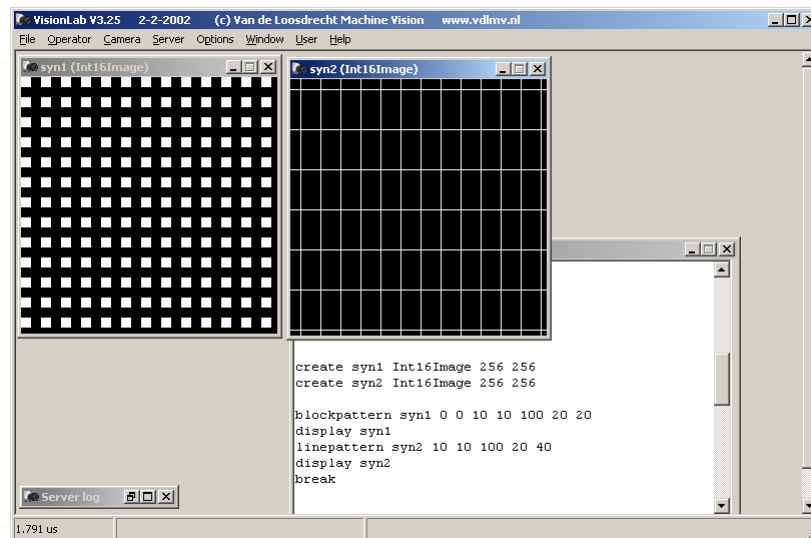


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BlockPattern and LinePattern

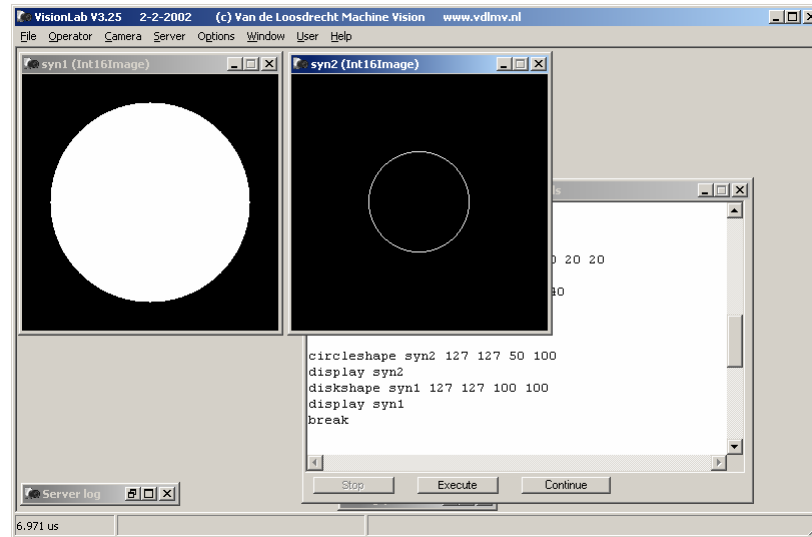


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CircleShape and DiskShape

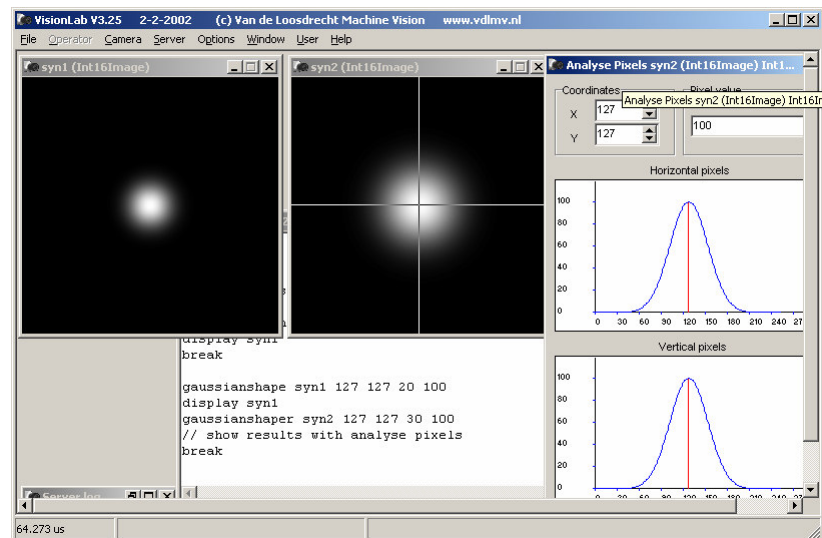


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GaussianShape and GaussianShaper

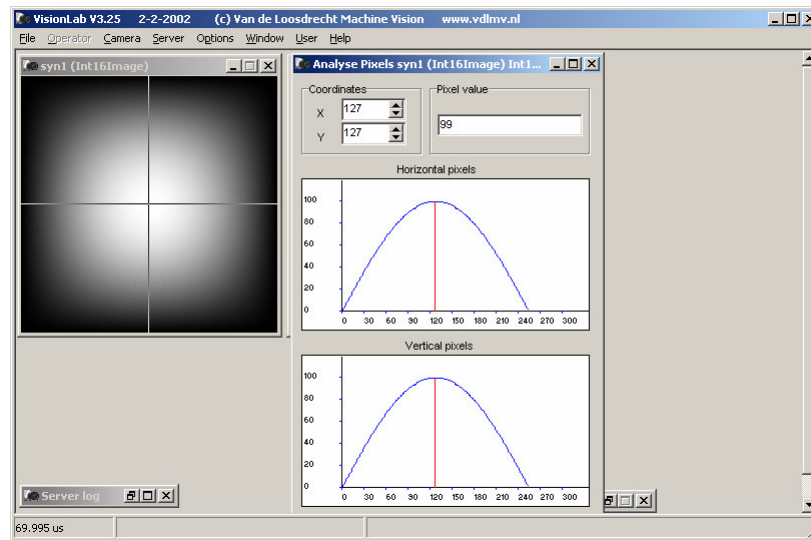


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CosineWindow

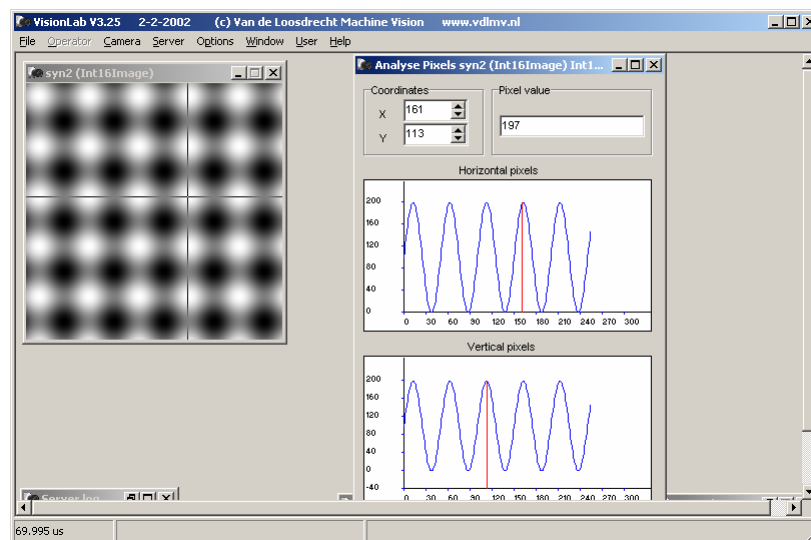


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SinusPattern

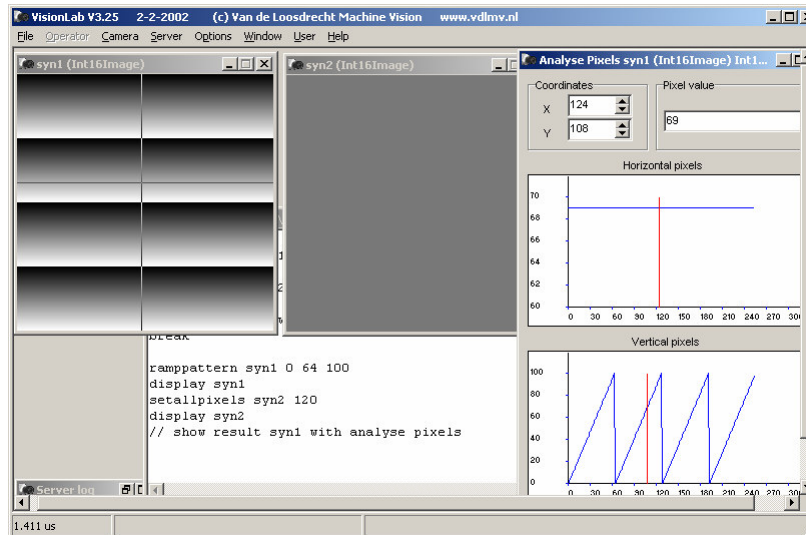


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RampPattern and SetAllPixels

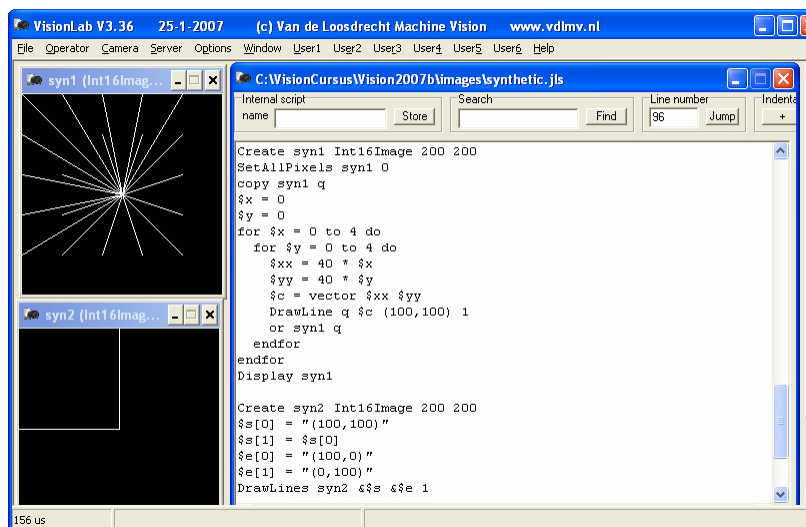


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DrawLine and DrawLines

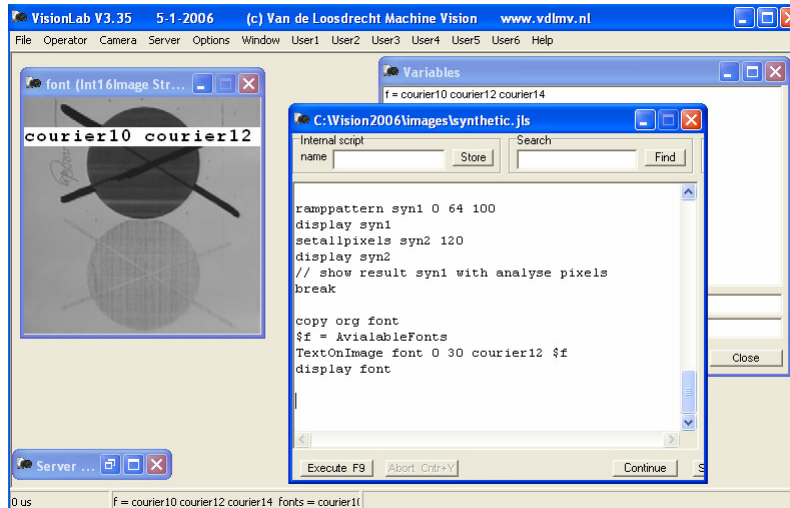


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TextOnImage



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Exercise

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

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