

The Second Conference On Machine
Vision, Image Processing &
Applications (MVIP 2003)
Tehran-Feb.2003



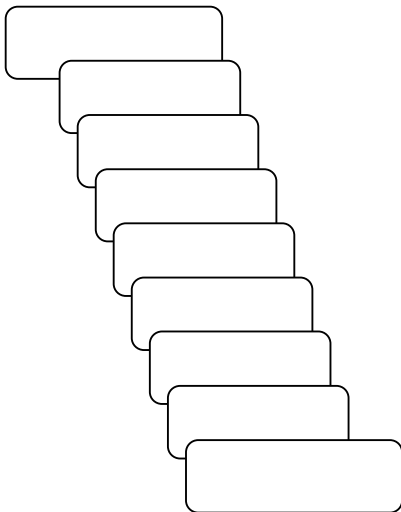
تاسیس ۱۳۰۷
دانشگاه صنعتی خواجه نصیرالدین طوسی

m_saadatmand_tarzjan@yahoo.com

COM

COM ,Radon

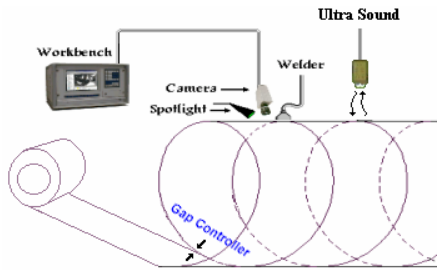
...



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(« »)

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(a)

(b)

PLC

PLC

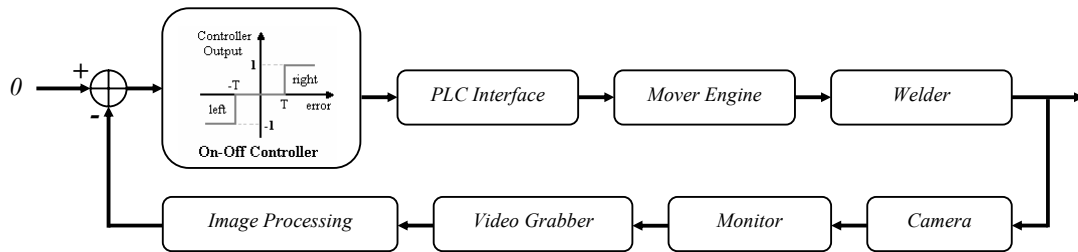


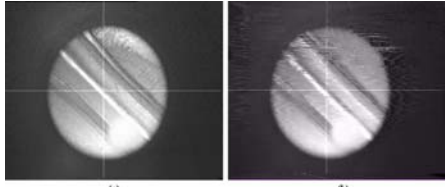
On-Off Controller

$$C = \begin{bmatrix} c_1 \\ c_2 \end{bmatrix} \quad \text{S.t.} \quad \begin{cases} c_1 = \begin{cases} 1 & \text{error direction} \equiv \text{"right"} \ \& \ \text{Error} > \text{ErrTr} \\ 0 & \text{Otherwise} \end{cases} \\ c_2 = \begin{cases} 1 & \text{error direction} \equiv \text{"left"} \ \& \ \text{Error} > \text{ErrTr} \\ 0 & \text{Otherwise} \end{cases} \end{cases} \quad ()$$

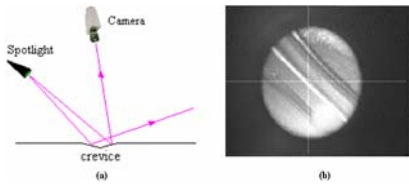


[1] Sobel





(b) (a) :



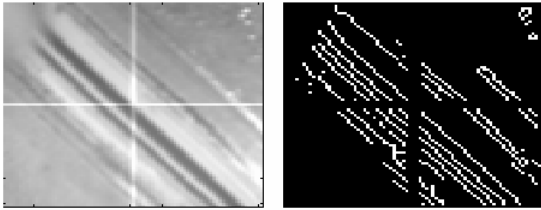
(b) (a) :

a-

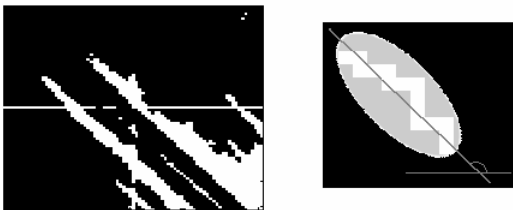
(b-)

"Sobel"

d-



(a) (b)



(c) (d)

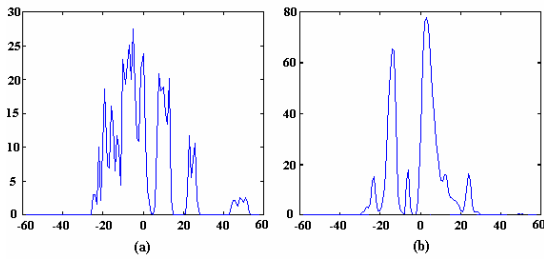
(b) (a) :
(d) (c)

c-

"[2]"

a-

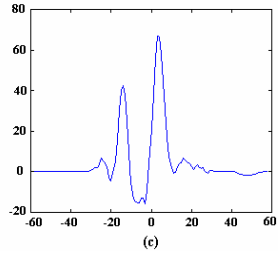
"[4] , [3] Radon"



Radon

([5] Hough

c- b-



()

(b) b- Radon (a):
(c) c- Radon
b a

c-

-3

a-

"Windows 95/98"

Visual C++ (

"ActiveX"

"Matlab 5.3.1" "Microsoft Visual C++ 5.0"

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Matlab

COM

ActiveX

[6] "OLE"

VC++ 5.0

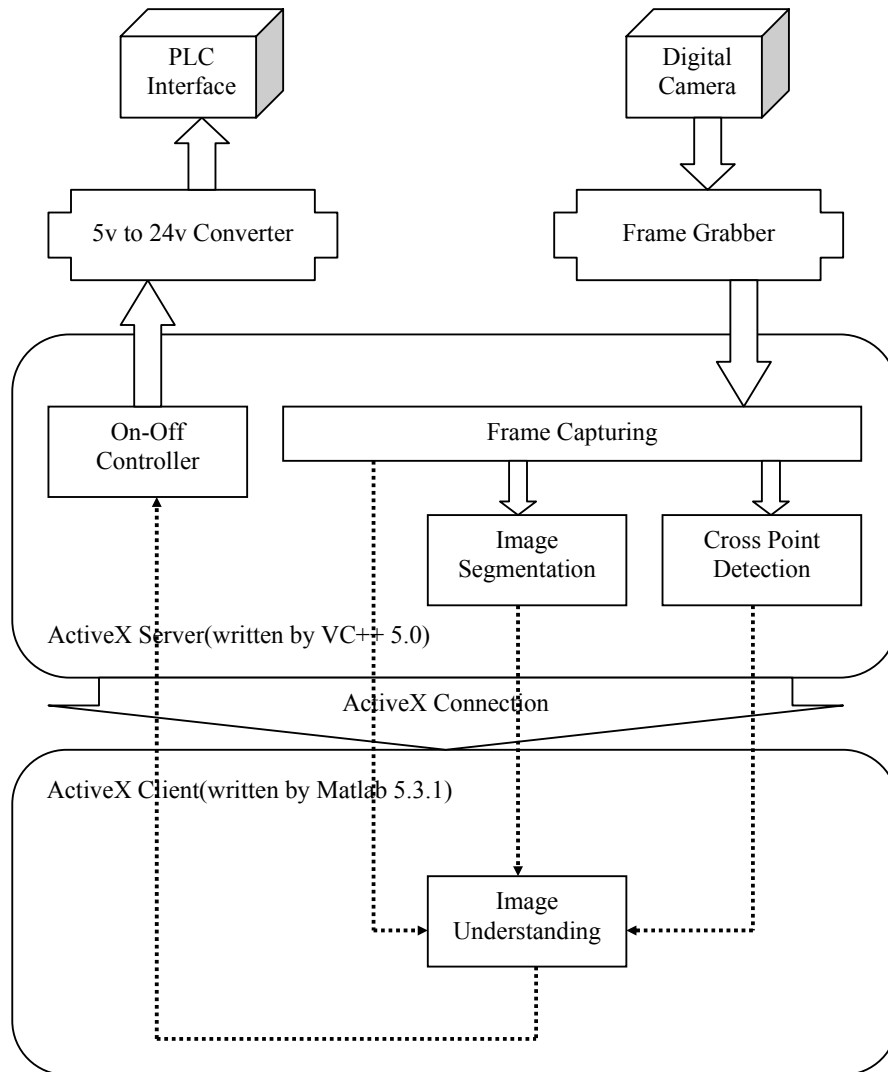
"ActiveX Server"

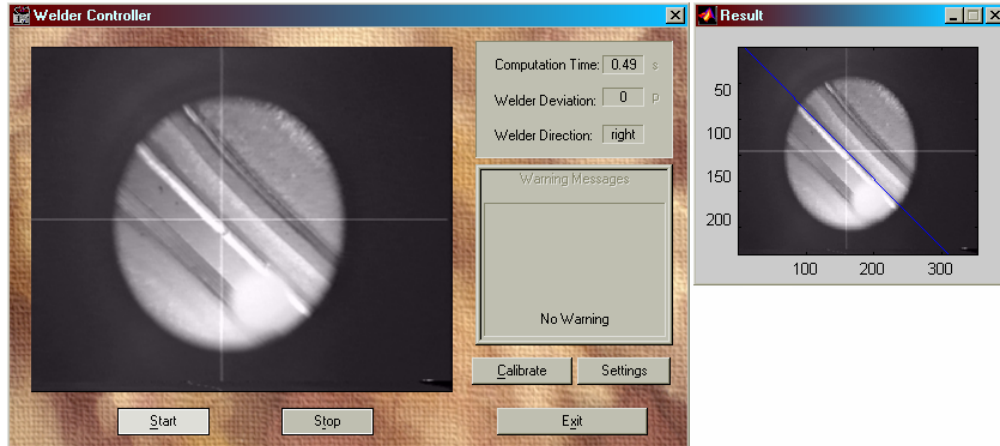
"ActiveX Client"

× [7] API

Pentium III 800 MHz

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0.8

“Asus, Live 3800”

TrErr

TrErr

TrErr

TrErr

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- [1] R. C. Gonzalez, R. E. Woods, *Digital Image Processing*, Addison-Wesley, New York, 1993.
- [2] J. R. Parker, *Algorithms for Image Processing and Computer Vision*, Wiley Computer Publishing, New York, 1997.
- [3] Lim, Jae S., *Two-Dimensional Signal and Image Processing*, Englewood Cliffs, NJ: Prentice Hall, pp 42-45, 1990.
- [4] Bracewell, Ronald N, *Two-Dimensional Imaging*, Englewood Cliffs, NJ: Prentice Hall, pp. 505-537, 1995.
- [5] M. Sonka, V.Hlavac & R.Boyle, *Image processing, analysis and machine vision*, International Thomson Computer Press, London, 1st ed, 1993.
- [6] P.E.: M. W. Zimmerman, *Microsoft Visual C++ References*, Microsoft Press, New York, 1997.
- [7] R. J. Simon, *Windows NT Win32 API SuperBible*, Mitchell Waite, New York, 1997.