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(MLP)

MATLAB 7.4

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(*Pistacia vera* L.)

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() Garsia-Ramos et al.

Duprat .

E-mail: agazanfari@yahoo.com

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() et al.

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() Stone et al. .

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() Diezma-Iglesias et al.

(Singh et al.,

Sugiyama et al. .

.2008)

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Younce & .

() Davis

() McCambridge et al. .

() Pearson .

Cetin et al. . %

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() Pearson et al. .

() Ghazanfari et al. .

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() Kavdir & Guyer .

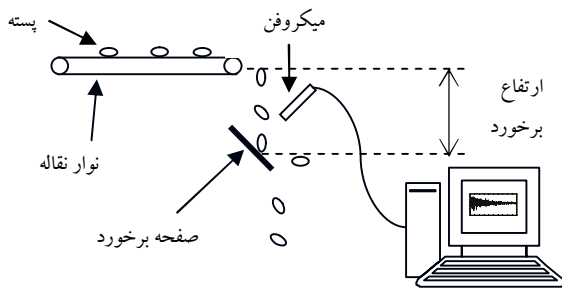
Mahmoudi et al. .

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() Rostami .



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(Proakis and Manolakis, 1996)

(Havit C-300 MV, Havit Co., USA)

(Intel, 82801BA/BAM AC'97)

(Lau and Weng,

$f(t)$

1995)

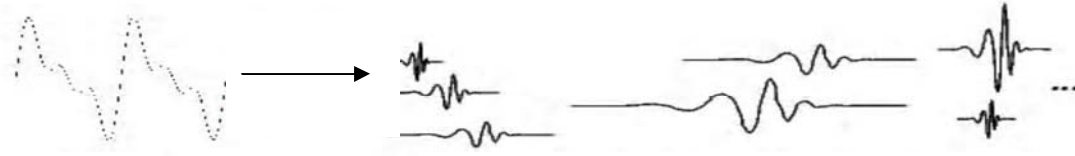
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- 1. Data Acquisition
 - 2. Sound Acquisition Triggering



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b a () ()

(Wickerhauser, 1994)

(Leung et al., 1998)

$$cwt_f(a, b) = \int_{-\infty}^{\infty} f(t) \psi_{a,b}(t) dt \quad ($$

$\psi_{a,b}(t)$

$$\psi_{a,b}(t) = \frac{1}{\sqrt{|a|}} \psi\left(\frac{t-b}{a}\right) \quad ($$

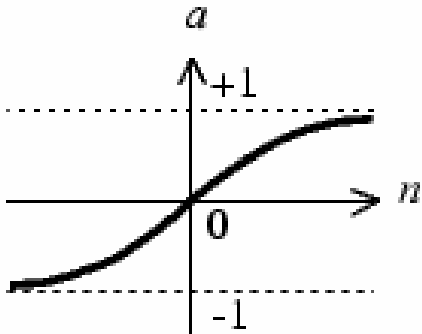
, ()

MATLAB 7.4
(db4) Daubechies

(Sigmoid)

(Rumelhurt et al., 1986)

$$f(a) = \frac{2}{(1 + \exp(-2a))} - 1$$



(Neuron)
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(Haykin, 1999)

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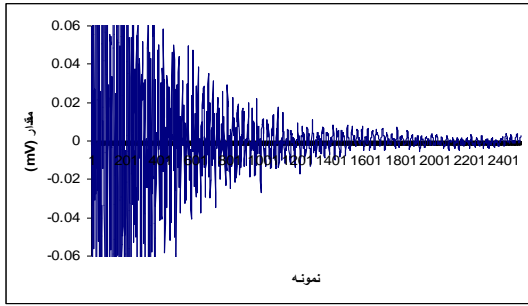
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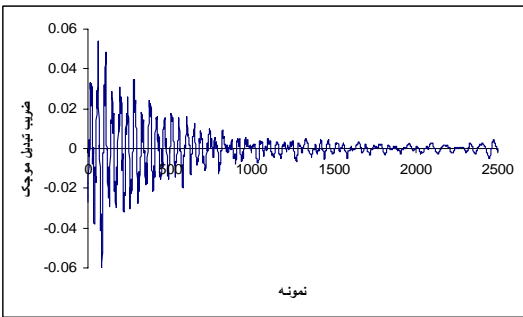
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(



a

(MSE)

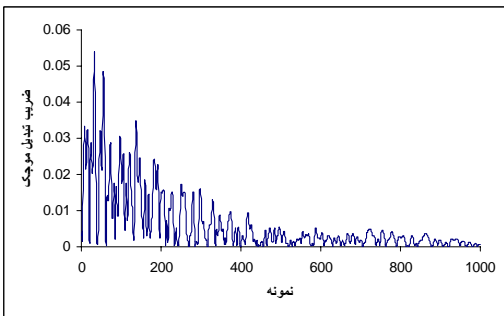


b

()

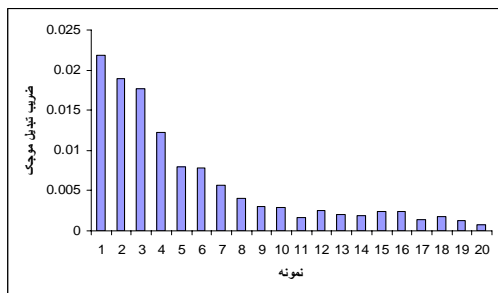
(a)

(b)



c

(/)



d

(c)

(d)

(a:

(a

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F 0.05	F	MS	SS
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