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ASAE,D /

(C B,A)

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(Grisso et

al., 2007)

.(Macmillan, 2002)

ASAE

(Grisso et al., 2007;

.ASAE Standards, 2006)

.(Al-Janobi & Al-Suhaibani, 1998)

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.(Tong & Moayad, 2006)

.(Behnam, 1996)

(ASAE)

(Arvidsson et

.al., 2004)

(Kepner et al., 1978; Macmillan,

.2002)

. (Upadhyaya et al., 1984)

(Al-

.Janobi & Al-Suhaibani, 1998)

(Grisso et al., 1994;

.Kepner et al., 1978)

.(Al-Suhaibani & Al-Janobi,1997)

.(Taniguchi et al., 1999)

ASAE, D /

.(Ashrafizadeh, 1995)

.(Moradi, 1995)

( )

(Alimardani, ASAE 1997)

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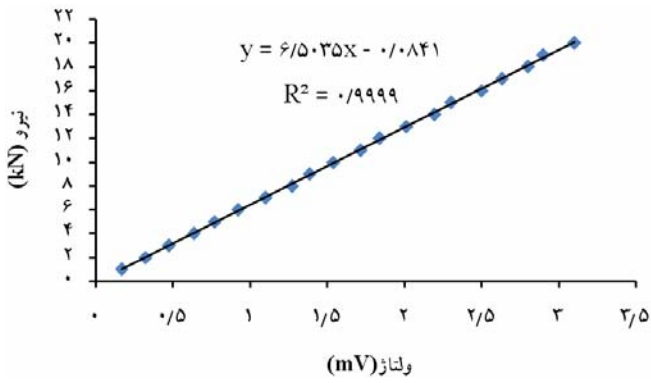
Amesler

( ) Type10z1032



(Abbaszadeh, 2006)

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(MPa)

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مشخصات	ادوات
نوع استاندارد معمولی، تک خیش، عرض کار 360 mm، زاویه استقرار 30°	گاوآهن برگرداندار
تک یشقایی، قطرشقاب 660 mm، زاویه تمایل 22°، زاویه برش 45°، زاویه استقرار 45°	گاوآهن یشقایی
تک شاخه، سطح مقطع 25 x 50 mm <sup>2</sup> و زاویه حمله 30° و تیغه قلمی	گاوآهن قلمی

RNAM

(RNAM, 1983)

(CR10X)

MT250D

"S"

, ( )

.(Afkari Sayah, 1989)

m × m

$$n \quad D=SD.n.d$$

$$D= F_i [A+B(S)+C(S)^2] w.d \quad \text{ASAE, } D \quad / \quad ($$

$F_i$  (N)

$D$

$w$  (km/h)

$S$  ( )

$C, B, A$

(cm)

$d$  (m)

$F_i$

/ /

( / / )

$F_i$

$w.d \quad D$

Taniguchi et

( )

( ) al.

C32A RS 232

Al-Janobi & Al-

( ) Al-Suhaibani & Al-Janobi ( ) Suhaibani

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( ) Al-Suhaibani & Al-Janobi

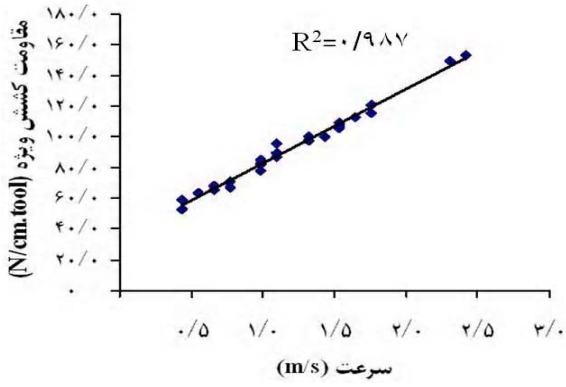
.(ASAE Standards, 2006)

( ) ( )

$A \quad D=SD.A$

(d)

(w)



نوع گاوآهن	ضرایب رگرسیون		احتمال	ضریب تبیین (R <sup>2</sup> )
	نماد	مقدار		
برگرداندار	A	۲۵۶/۲۶۱	ns./۰.۸۷۹	۰/۹۹۱
	B	۲/۲۸۲	**./۰.۰۰۰	
	C	۱۲/۱۱۳		
پشقی	A	۱۵۲/۲۸۸	ns./۰.۷۷۸	۰/۹۸۷
	B	۳/۷۹۵	**./۰.۰۰۰	
	C	۹/۶۶۴		
جیزل	A	۳۶/۹۰۷	**./۰.۰۰۰	۰/۹۸۷
	B	۱۲/۱۸۴	ns./۰.۳۷۸	
	C	۰/۱۳۱		
		%	**	ns

(R<sup>2</sup>)

( ) Al-Suhaibani & Al-Janobi

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ASAE

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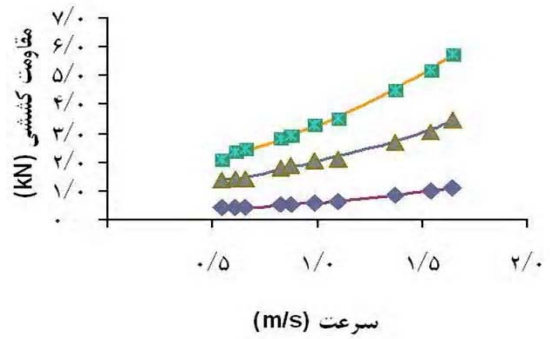
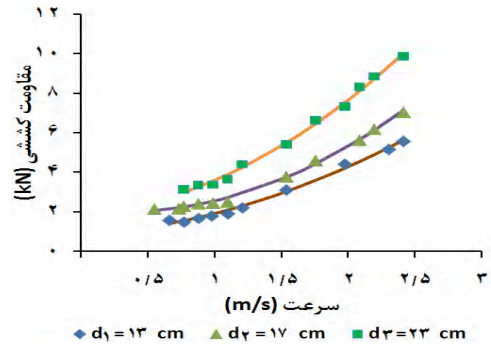
$$SD = \frac{1}{n} \sum (S_i + S_j) \quad ( )$$

$$SD = \frac{1}{n} \sum (S_i + S_j) \quad ( )$$

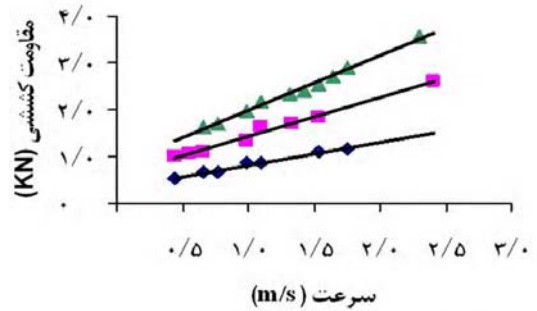
$$SD = \frac{1}{n} \sum (S_i + S_j) \quad ( )$$

(C B,A)

( )

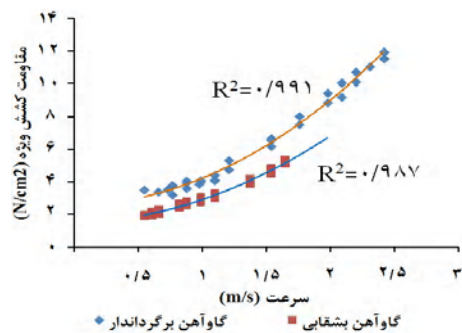


◆ d<sub>1</sub>=7cm     ▲ d<sub>2</sub>=17cm     ■ d<sub>3</sub>=24cm

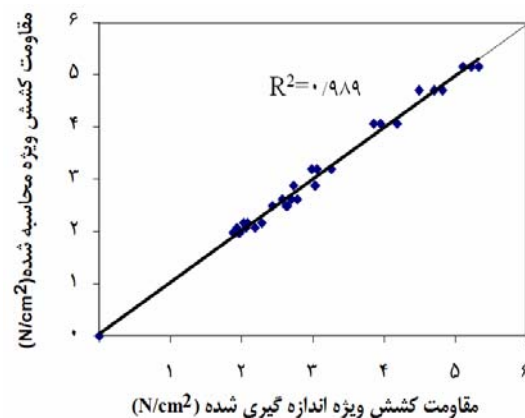


◆ d<sub>1</sub>=۱۰ cm     ■ d<sub>2</sub>=۱۷ cm     ▲ d<sub>3</sub>=۲۴ cm

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(C B,A)  
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