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, 2014

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Safety of amusement rides.
Methods of measuring the acceleration acting on the passenger rides

—2015—06—01

1

1.1

0.2

1.2

8.563,

1.3

(,).

2

8.563-2009

()

8.596-2002

8.669-2009

8.736-2011

53130-2008

24346-80

24347-80

5348-2002

/ 17025-2009

« », «) 1 »

().

3

53130.

24346.

24347,

3.1

3.2

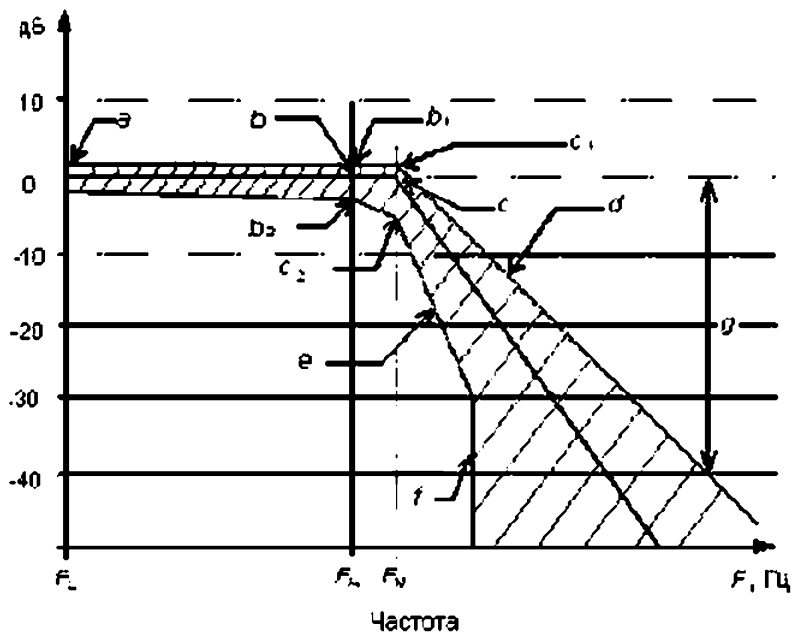
3.3

3.4

$(1 = 9.81 / ^2)$.

[1].

1. *
 F_I -
 F_H -
 F_h -
 $1.667F^*$.



$F = 201$ (
 $= \pm 0.5$; $= 0$; $= \pm 0.5$; $_2 = -1$; $= \pm 0.5$; $_2 = -4$; $d = -0.5$ / ;
 $= -24$ / ; $_1 = -$; $= -40$.

1-

3.5

3.6

$F_t = F_v/2.5$.

3.7

8.669

3.8

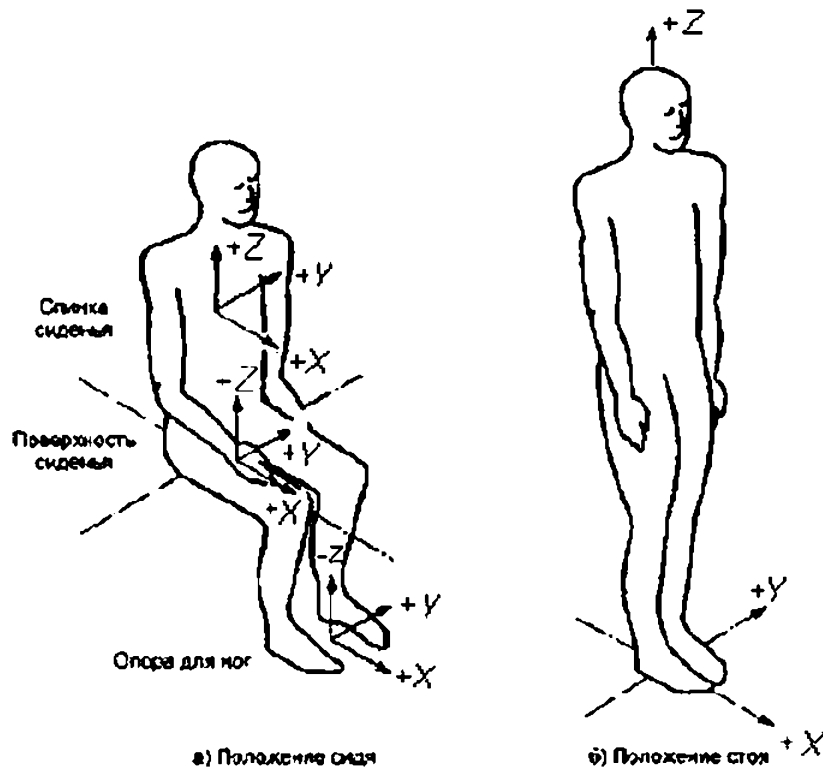
8.669.

3.9

3.9.1

3.9.2

3.9.3



2-

3.10

3.11

3.12

8

4

4.1

4.2

4.3

5

5.1 (-)

5348).

5.2

5.

5.3

20
60

1

5.4

5.4.1

5.4.1.1

((600 ± 50))
(100 ± 30)

5.4.1.2

((1200 ± 50) (100 ± 30))

5.4.1.3

((100 ± 30))
(1200 ± 50) ()
Z)

5.4.2

5.4.2.1

((500 ± 50))
(50 ± 20)

5.4.2.2

((760 ± 50) (50 ± 20))

5.4.3

((50 ± 20))
(760 ± 50) () Z

6

/ 17025.

6.1

6.1.1

75 .

6.1.2

45 .

6.2

(X, .Z).

6.3

10.

6.4

10 (98.1 / 3),

± 10 ,

0,05 (0,49 / 3).

6.5

5 %

6.6

5.4.1.1

5.4.1.3

6.7

()

6.8

().

5.4.

6.9

(

6.10

()

6.596

.1 ()

.1.1 $\pm 5\% (\pm 0.6)$

.1.2 $\pm 5\%$

$\pm 2.5\%$

.1.3 («) -

• (« » [1]):

• $\pm 5\%$;

• 12

0.2%

.2

.2.1

.2.2 10. $Fa = 10F^*$ (). $10 Fa = 100$,

.2.3 () 1

(). .1 10.

.1

	F_L	F_{su}	$F_{e.Su}$.	.			Oj flb	d.	.	1	9-
«10*	0.0	10	16.7	± 0.5	0.5	-1	0.5	4	“0.5	-24	/	-40

. $\pm 5\%$.

.4 . $\pm 0.5^*$.

.5 - ± 1 .

()

.1

5

F_{tp}

.2

$$-S^* \cdot \sum_{k=0}^{N-1} e^{j2\pi k n / N} = 0 \dots N-1$$

$$x_n = \frac{1}{N} \sum_{k=0}^{N-1} x_k e^{j \frac{2\pi}{N} kn} = 0 \dots N-1$$

$N-$

„ (?=0..... N-1)-

$N-1.$

*. (ft=0..... N-1)-N

$\frac{N}{N}$

(.)-

2

4

2

$$= \llbracket 1 - 1 \rrbracket + \llbracket 1 - 2 \rrbracket + \llbracket -11 + b_s \rrbracket \llbracket -2 \rrbracket \quad (6.1)$$

a.; ». b). 6i. W^* . W » -

$$W, = 2 () 2.0775.$$

$$W. = \sin (W^* \cdot 772) / \cos (W^* \cdot 772).$$

$$a., = iy; / (1.0_{+1} / 2IV_{+iy}).$$

$$\gg 2$$

$$a, =$$

$$b, = -2(W; -1) / (1 + j2W_t + W -).$$

$$. = (-1 + pw, - W;) / (1 + j2W_t + W;):$$

T-

= 10 -

10.

()

.1

(

);

.2

0.736.

.4

.5

.6

.7

.8

.9

10

(

.11

)

).

[1]

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688.775:006.354

97.200.40

96 8535

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01.12.2014. 60x84¹/ .

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123995 . .. 4.
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