

: 5.1.

(())

54

: 20

1

(12) 33

;- :- ;- ;- ;- ;-

I.

(3, 5, 6, 8, 9, 11, 12, C1, C2, C3, C6, C9, C14, C15, C18, C20, C21, C24)

CEEPUS: CIII-BG-0703-11-2223.

() () / / ()

(: ;)

Reynolds

Fortran.

Sommerfeld,

Reynolds

II. -(4, 27)

CEEPUS: CIII-BG-0703-11-2223.

(4)

(power law model).

: (4):

()

(27)

3D

:: (27)
3D

III.

(A1, A2, A7, A10, C4, C7, C8, C10, C13, C16, C17, C30)

CEEPUS

: C III-RS-0304-01-0809, C III-RS-0507-01-1112, C III-BG-0703-11-2223.

1) - (A1, A7, A.10, C16, A.2)

(1, 7, 10)
()

()

CETR-UMT-2 (Bruker Co.).
50N,

100 m

3,5 mm/s.

CETR-UMT-2.

:

Zn, Sn

(SiO), Cu,

, (1).

- , (1, 7, 10);
- (-)
- , (1).
- 40N, -
- ; - 50N , , - . (7)
- Multimetall Messing -
- : (, ,) (10);
- Moglice (10);
- : Multimetall Messing (,), Multimetall
- Bronze (, (10).), Moglice (
- , EM ,
- . (10).
- (10).

1.2343. (16)

Ti/TiN/TiCN/nc-TiCN:a /ncTiC:a- / - ,

1.2343.

- : (Ti/TiN/TiCN/nc-TiCN:a-
C/nc-TiC:a-C/a-),
7 -
16 -
- -
- (Ti/TiN/TiCN/nc-TiCN:a-C/nc-TiC:a-C/a-).
- (Ti/TiN/TiCN/nc-TiCN:a-C/nc-TiC:a-C/a-)
(UBMS),
- (Ti/TiN/TiCN/nc-TiCN:a-
C/nc-TiC:a-C/a-) , :-

9,5 ; -
- 22 ;
210 .

(2)

(HVOF).

HVOF

VOF-

Fe, Ni, W and Al₂O₃+TiO₂.

: 2

HVOF-

2.

2)

- (C4, C7, C8, C10, C30)

(8).

e

.. (4)

(4).

(7) -

(C8)

.. (10)

(. . (. .))

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-
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/

(30)

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Talysurf-Taylor Hobson Mytutoyo SJ30

:

•

(C8):

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(10):

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(10):

(2D)

(30).

3

3)

(C17).

4)

– (C13)

(

),

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;-

(C13)

CEEPUS

: C13)

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CEEPUS

IV.

(B2, B3, B5, C5, C19, C22, C25, C26, C28, C33)

CEEPUS: CIII-BG-0703-11-2223.

1) - (B2, B3)

(2).

(2)

(2).

(B3)

()

Ogden.

()

(B3).

2) / - (C19, C22, C25)

(19)

4

Brookfield /CAP 2000+.

: (C19)

4

Brookfield

;

75W90,

Brookfield CAP 2000+,

3

(C22)

()

()

().

: (C22)

(C25)

AN46 /

ISO VG 46/

Polybuten 30 (PIB30).

: (C25)

3)

– (C26)

4)

(C5, 5, 28, 33)

V.

(B1, B4, C12, C23, C32)

1)

– (B4, C23)

(23)

3D

MatLab.

(4)

:

:(23, 4)

Mat Lab-Simulink.

),

;

Mat Lab-Simulink.

2)

(B1)

()

,

)

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(

30 30 350 [mm].

(B1):

-
-
-
-
-

(

)

3)

T

– (C12, C32)

(

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(12)

()

(32)

MathCAD.

MathCAD

MatLab, MathCAD, Mathematica

VI.

1) - (B6, B7, B9, C29, C31)

“ -06- 27-8/2018:

2018-2022..

()

SIMETRIX.

2)

“ ESTIA-EARTH: To Sustain the

Women’s Careers as Academics, Researchers and Professionals in Engineering, Computers and Sciences”, 142418-LLP-1-2008-1-GR-ERASMUS-ENW, 2008-2011”

(C11)

(15 % -

).

3)

“ -06- 27-8/2018”, , 2018-2022..

(B8)

(

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