

: 1.

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//

.-2000.- .6.- .13-16. 2.

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//

.- 1994.- 5-6.- .6-9.

537.322; 537.633

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. . . .-

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-
-

[1].

Bi,

, ,

, .

-
-
-

[2-4].

-

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-

0,05; 0,2 0,5 .% Te

5

≅800 K

-

H,

S,

RH,

,

n

μH.

H S

-

-

~ 0,25 .%
 (. 1,),
 (. 1,)

RH

, S μH

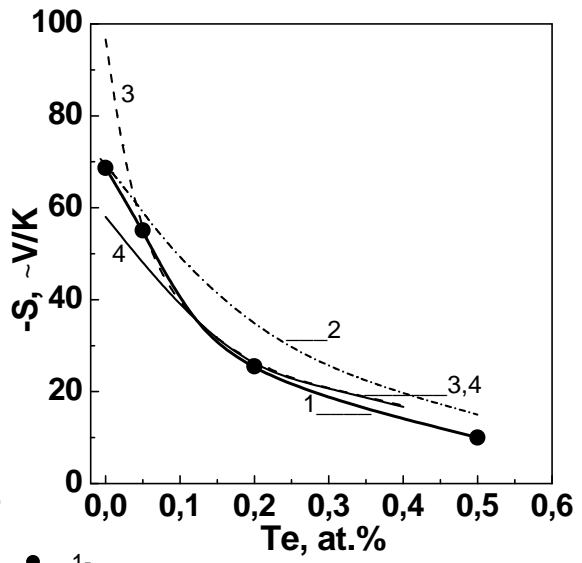
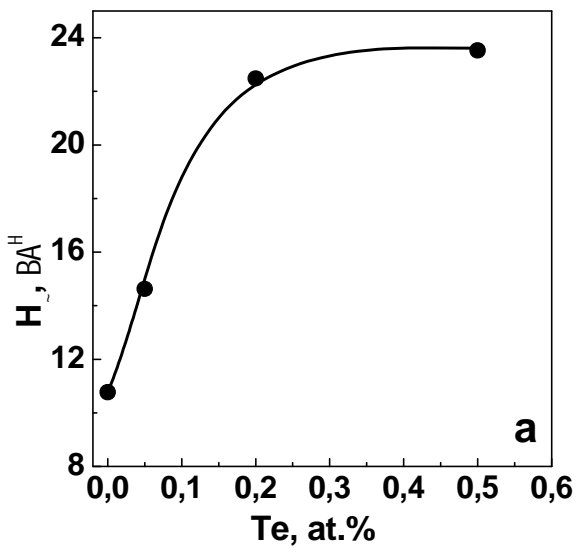
~ 0,25 .% Te,

[3,4].

S RH

[4],

[3] (. 1), . .



- 1-
- - - 2-
- ... 3-
- . . . 4-

[2]
 , S₃[4]
 , S₃[4]

. 1.

()

- . . . ()

Bi-Te

μH

: 1. Dresselhaus M.S. et.al. In Semiconductors and Semimetals: Recent Trends in Thermoelectric Materials Research III, ed. T.M. Tritt. - Academic Press, San Diego, CA, 2001. - p.1–121.

2. // . - 1955. - .25. - .1. - 49-65. 3. // . - 1962. - .4. .1. - .22-28.

: 539.23;621.315.5

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()

-

Fe/Cr/Fe [1]

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-

-

[2]. EuS-PbS

[3]

-

-

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(EuS)

(SrS) EuS-SrS. -

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-

(10^{-5} - 10^{-6}) (001)