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(),

100 .

(/ ² 10),

(100).

(10⁴),

10⁵

(10 . %)

(20–40).

“SOLO”.

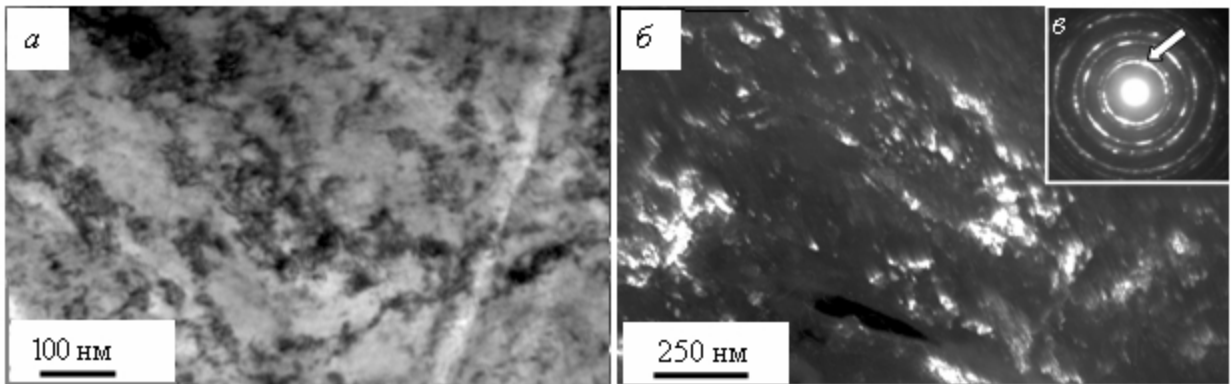
4-

(. 1.).

(. 2.).

(. 3.).

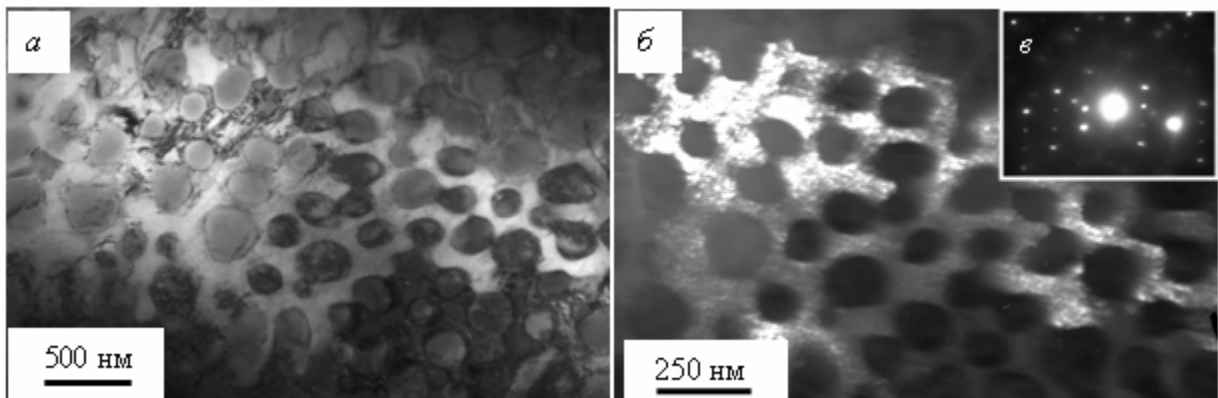
(1)



. 1.

0,3

[111]Ni()+[011] ;

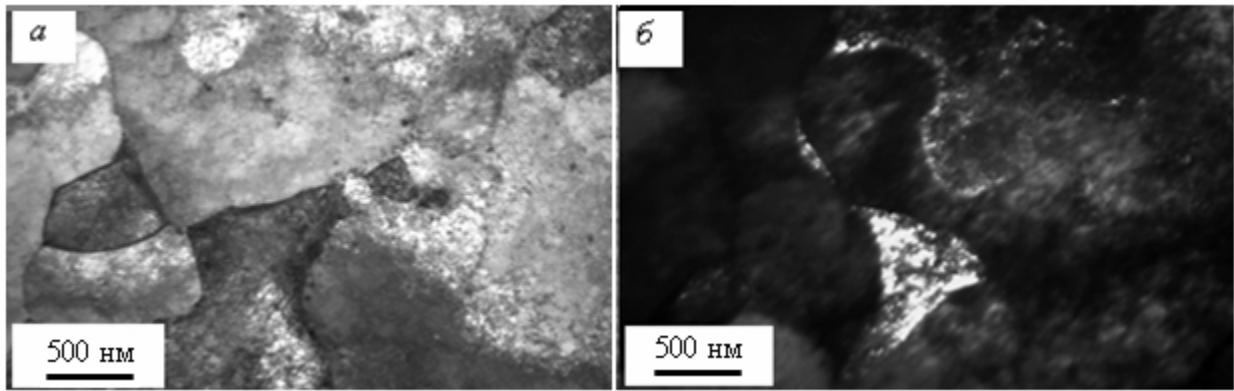


. 2.

1 ; -

, -

[301] , -



. 3. 25 :
 - , - , [003]Ni₃ .
 500 HV 200 HV 25-30 , ' -
 , ' -
 12 (-
 60)
 20 .
 2513 ± 205 , 2,8 -
 27,4 ± 7,3 , - 3,3 ± 2,5 , . . -
 8 .
 10,6 / (°) 800, 850 900 ° 2,7, 5,2 -
0,3, 1,5 5,3 / (°) . ,
171,5 / , - 304,5 / .
 17 , - 7 . 45 ,
825 200
 HV
 1450 HV 26 17 -
 10 200, 3-4 , -
 -
 -
 1600-1700 HV.
 200 ,) , (50 -
 -
 .

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