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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION  
(ISC)

33189  
2014



2016

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Федеральное агентство  
по техническому регулированию  
и метрологии

Федеральное агентство  
по техническому регулированию  
и метрологии

Федеральное агентство  
по техническому регулированию  
и метрологии

## Transmission tooth gears of the traction main railway stock. Scale of macro- and microstructure standards

— 2015—07—01

1

2

3.1109—82

1763—68 ( 3887—77)  
2999—75  
5639—82  
8233—56  
9012—59 ( 410—82. 6506—81)

9013—59 ( 6508—86)  
9450—76  
16530—83  
20495—75

30803—2014

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1

1

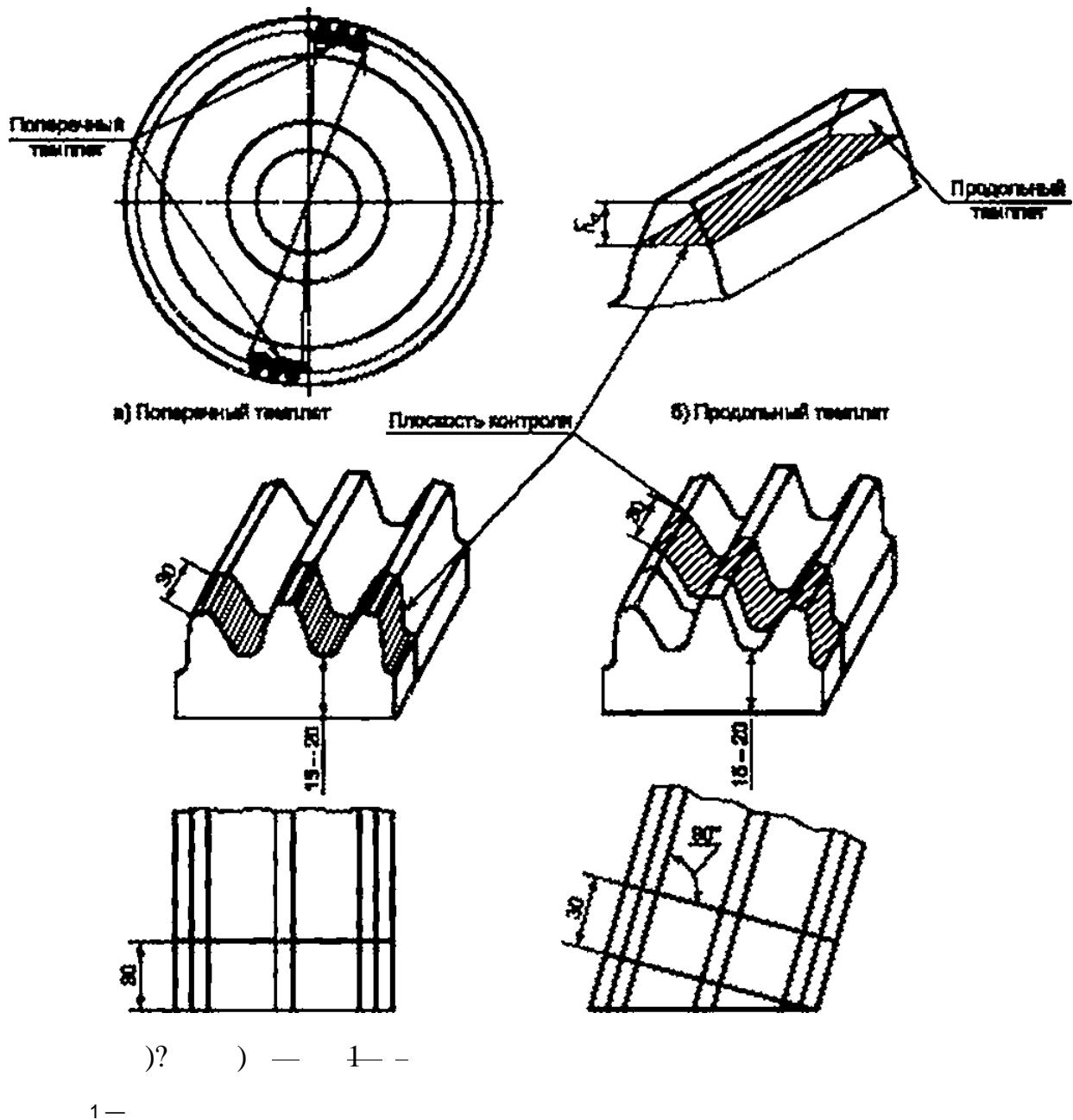
33189—2014

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3.1 3.1109. 16530 20495.  
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3.1.2 : ,  
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3.1.7 : ,  
3.1.8 : ,  
3.1.9 : ,  
3.1.10 : ,  
3.1.11 : ,  
3.1.12 : , 100 %.  
3.1.13 : ,  
3.1.14 : ,  
3.1.15 : ,  
3.1.16 : ,  
3.1.17 : ,  
3.2 100'... 500' — ;  
— ;  
/? — ;  
4  
4.1  
4.1.1 ( ) ,  
30803.  
4.1.2 , 1:  
— ;  
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• 30

4.1.3

8233

1).



4.2

4.2.1

30—35 %-

4.2.2

4 %-

4.3

4.3.1

1—10 1 (

.1—.10).

4.3.2

8

1. 10 , ,  
 ( . .1— .10).

\*6...7 — (2±0.5) ( ) ;  
 = 8...9 — (3±0.5) ;  
 =10...12 — (4±1) .

1.5

4.3.3

100'. , 500'.  
 .1— .8). 1—7 2 ( .  
 ( . 1. .1. .2). ( . 2. )  
 ( . 3. .4). 5 1 5639 4 5  
 ( . .5 .6). — 6 7 ( . .7 .8).  
 4.3.4

9013 2999 ,  
 ( ).  
 2999.  
 2 .  
 55 HRC 30803. 48 54 HRC.  
 9012

26 32.5 9013. 30803.  
 4.3.5

9450

, , 100 %, , 10 %.

4.4

4.4.1

200- 500\* 1—6 3  
 ( . .1— .6). —

4.4.2

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( . .

3.4. 3. . . . .

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3. . .

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4.4.3

( . . . 4). 1,2,3 )

1—4

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200'

10 %

10 %

500\*.

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100\*.

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1763.

4.4.5

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(0.2 ±0.4)

50 %

4.4.6

9013.

56

HRC

59\*\*

HRC

9012

294

HRC.

31.5

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		11		30803
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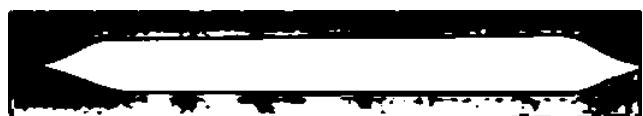
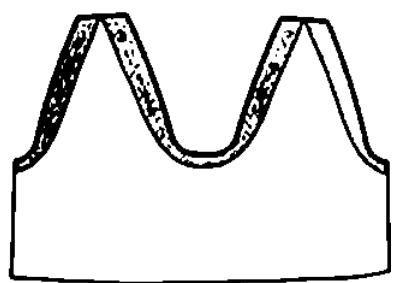
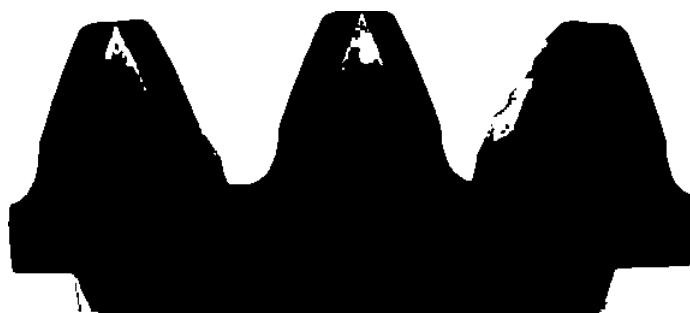
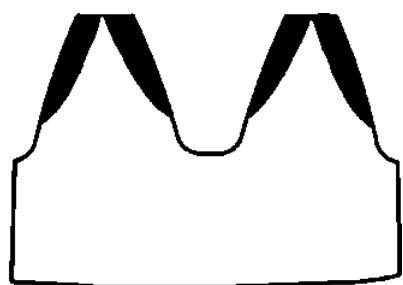


Рисунок А.1

2

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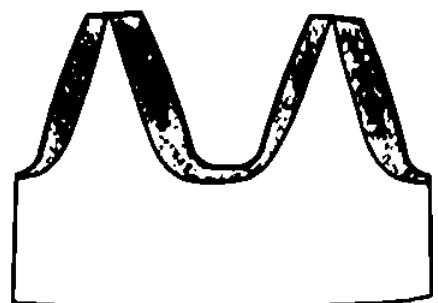


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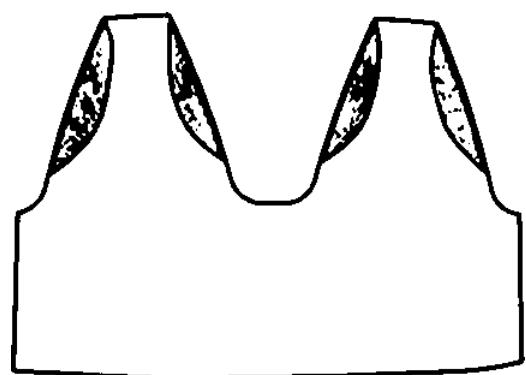
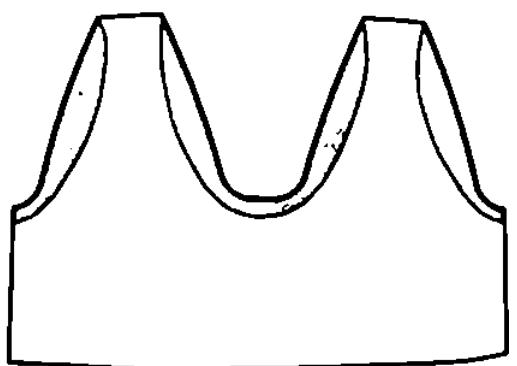
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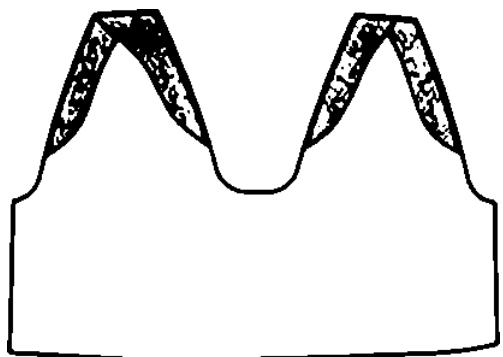
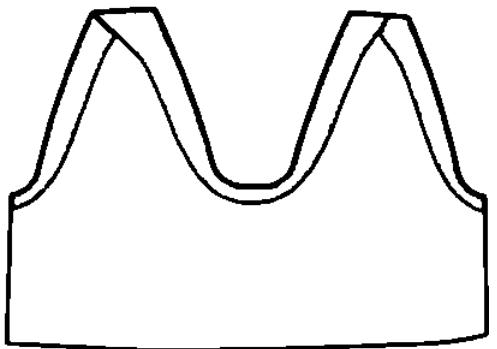
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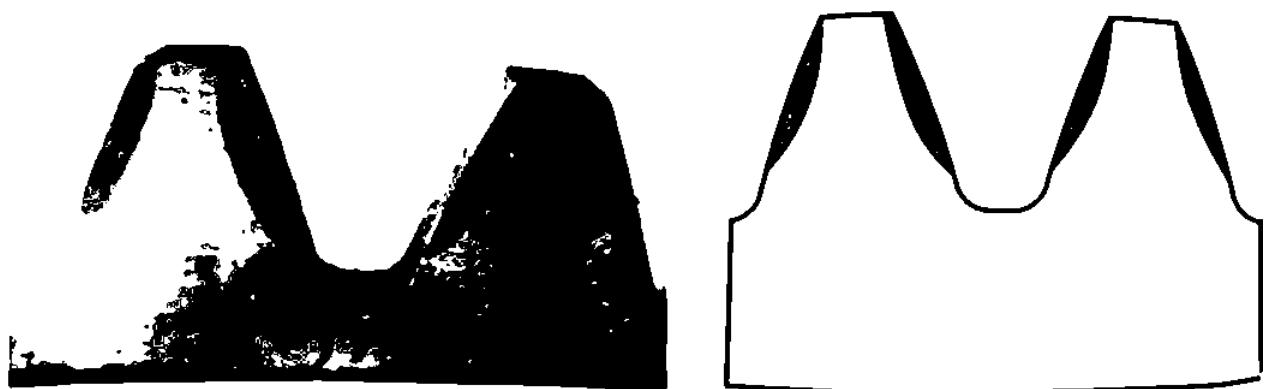
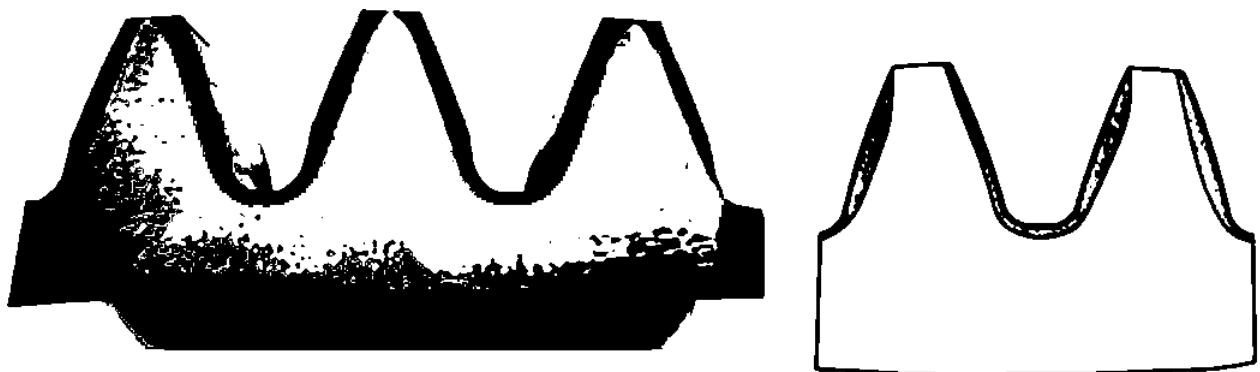
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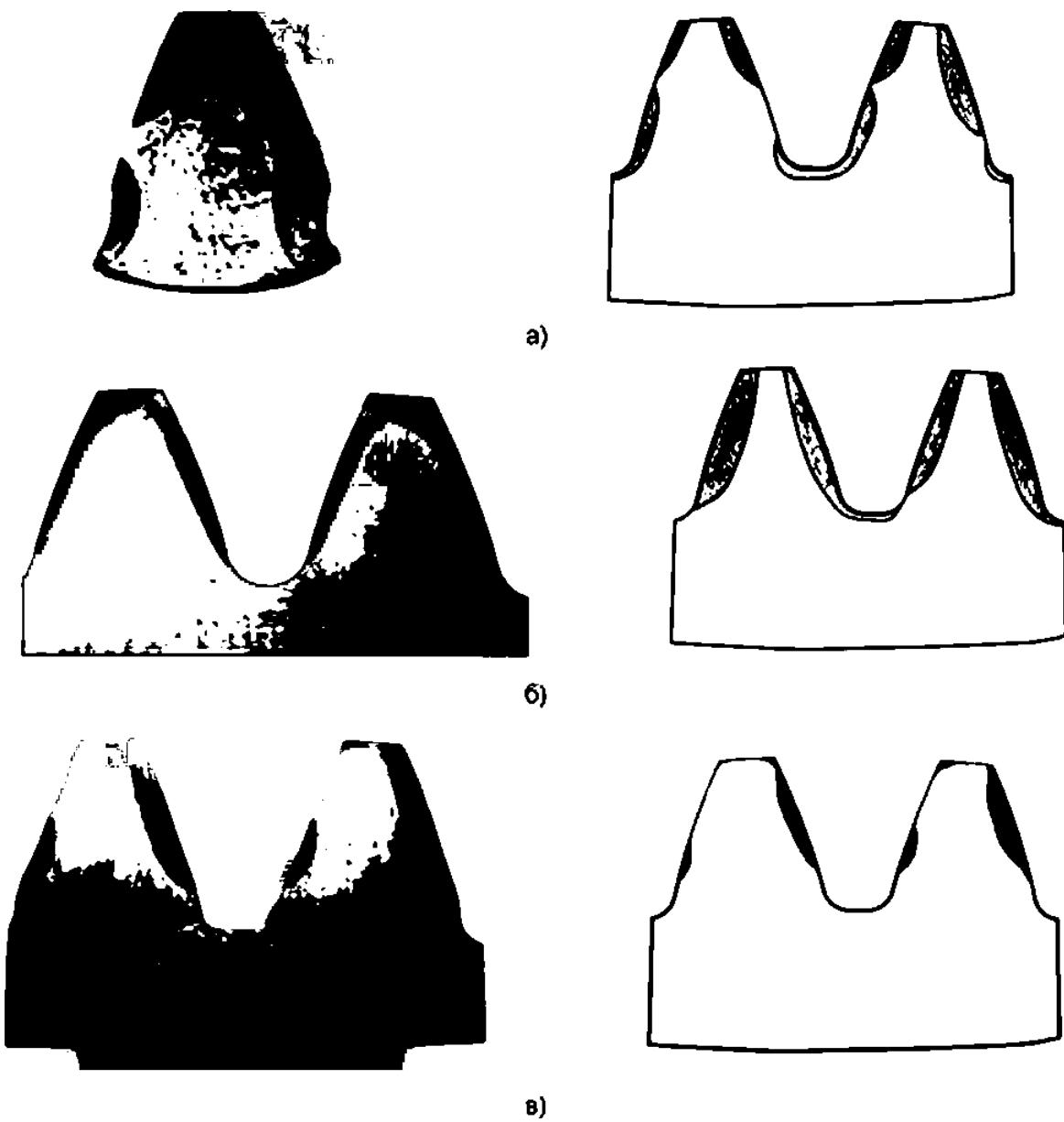
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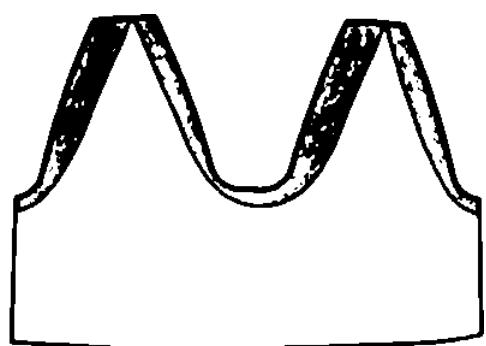
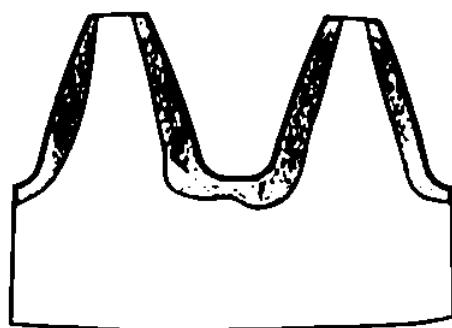


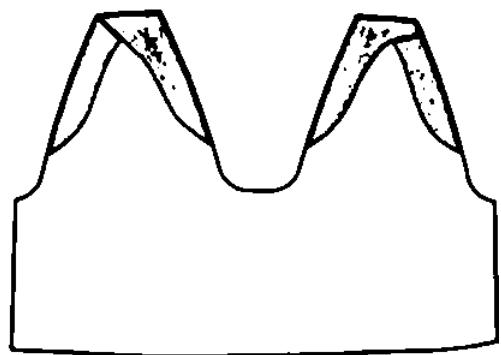
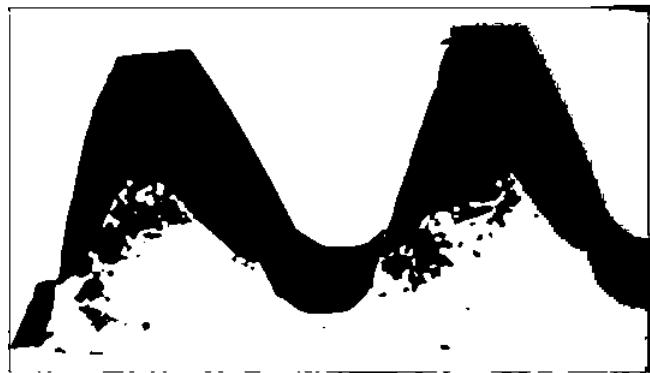
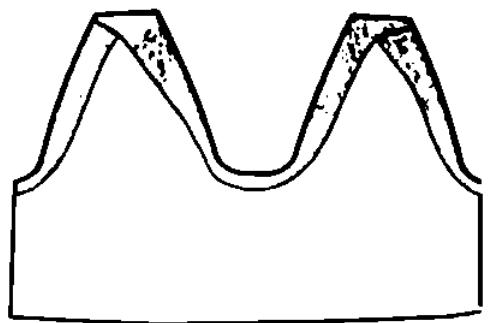
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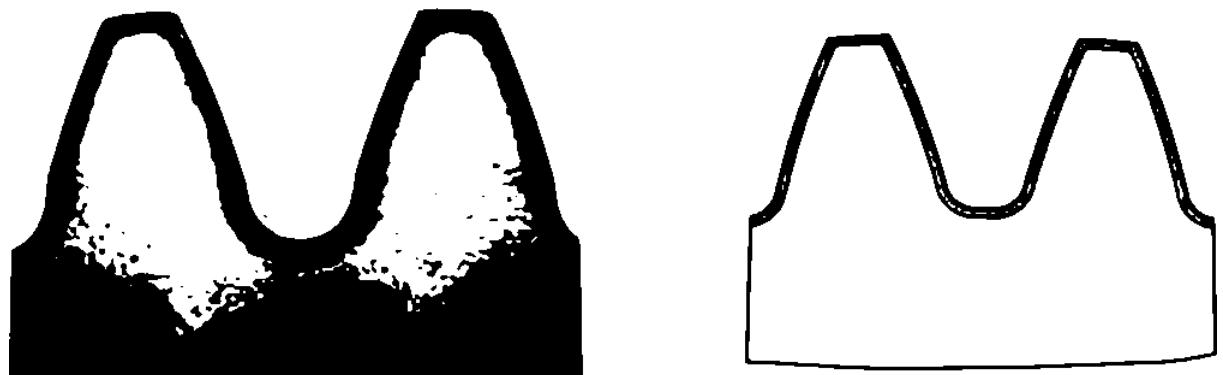
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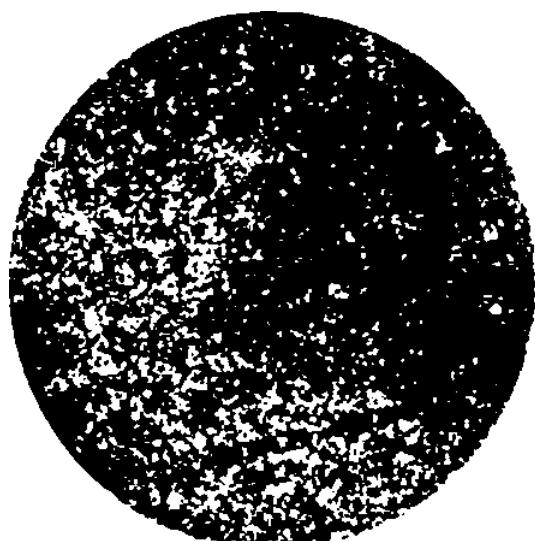
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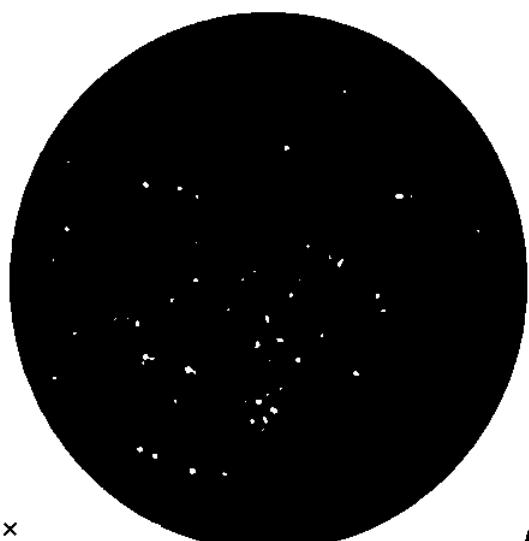
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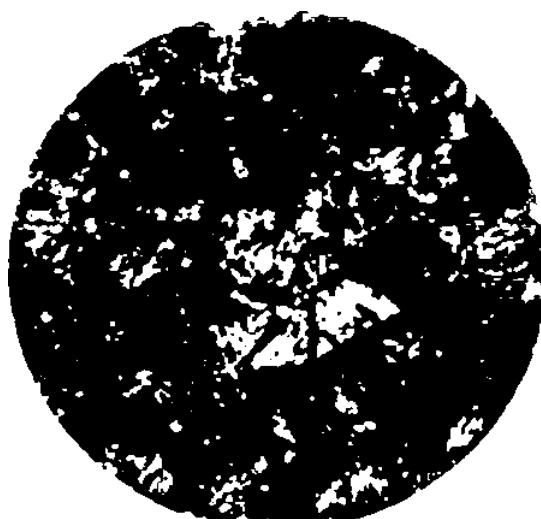


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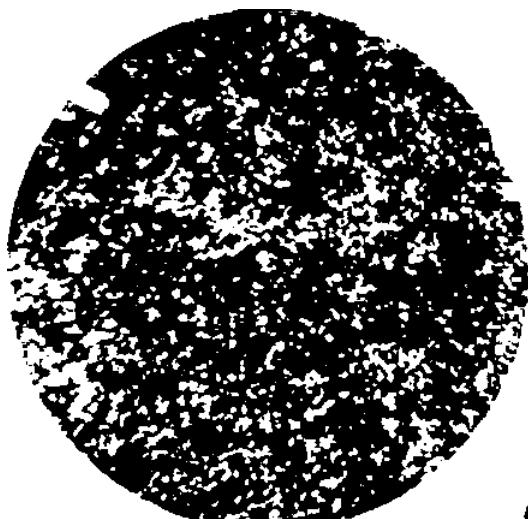
500<sup>×</sup>

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500<sup>×</sup>

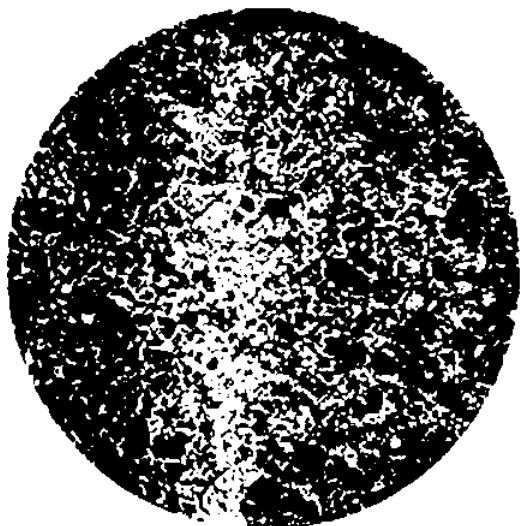


500<sup>×</sup>

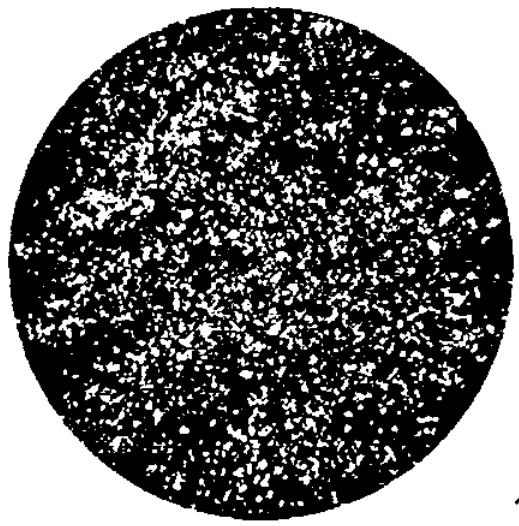
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100<sup>Х</sup>

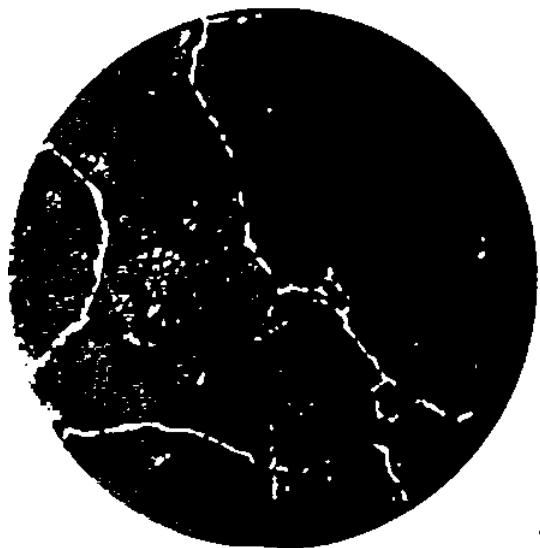
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Рисунок 5.7



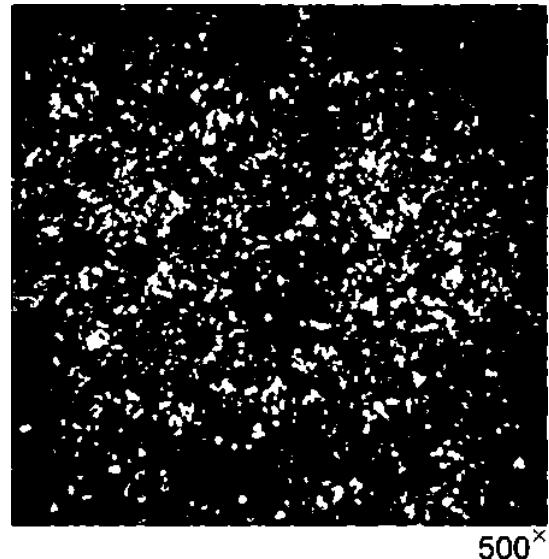
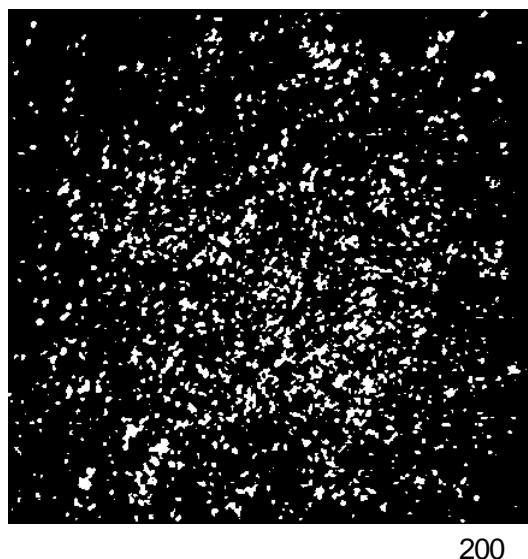
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Рисунок 5.8

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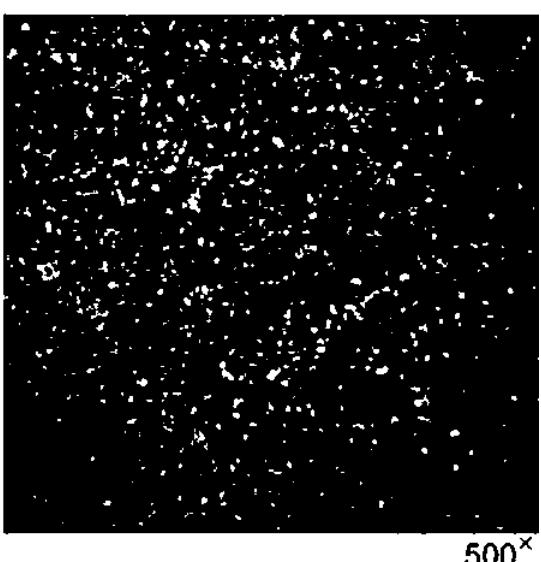
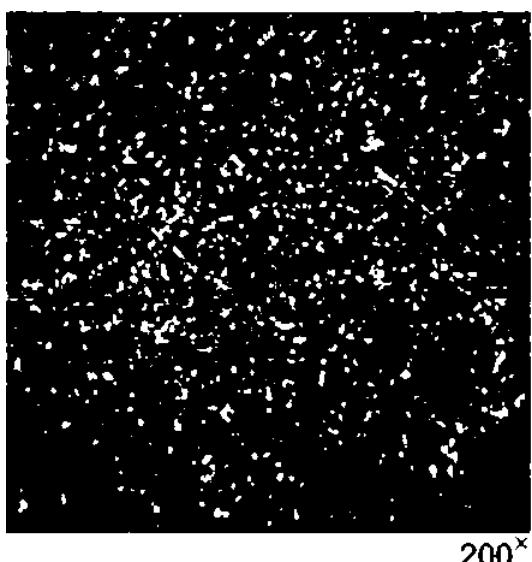
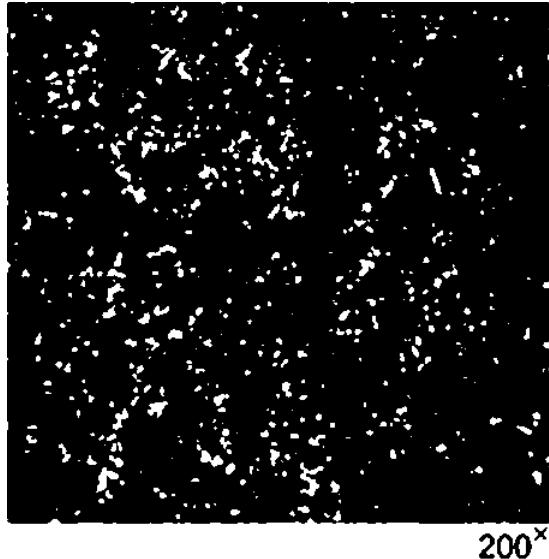
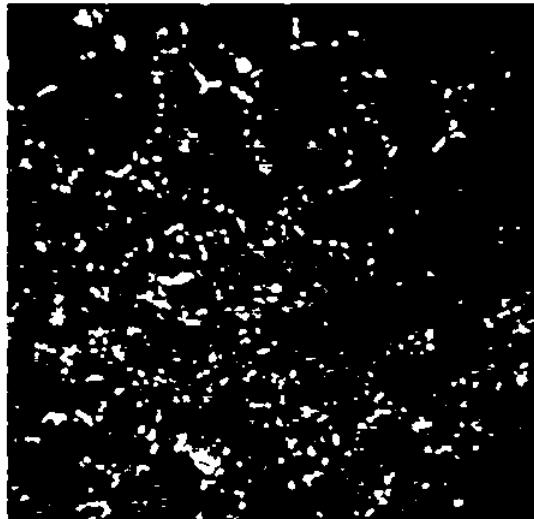


Рисунок В.2

3



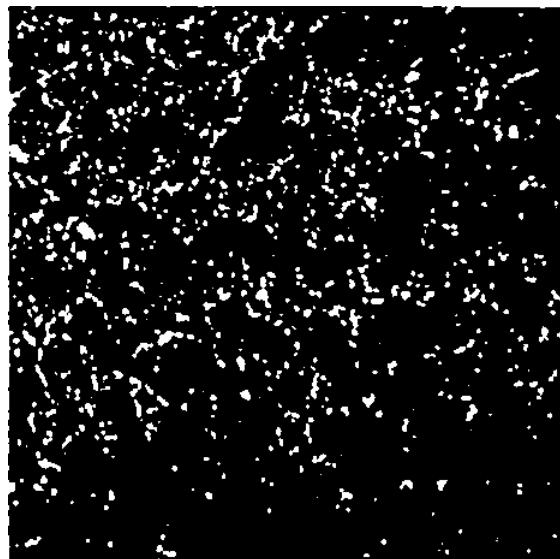
200 $\times$



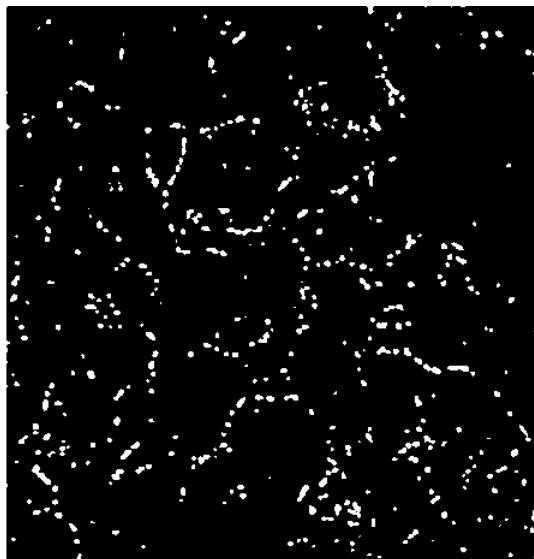
500 $\times$

Рисунок В.3

4

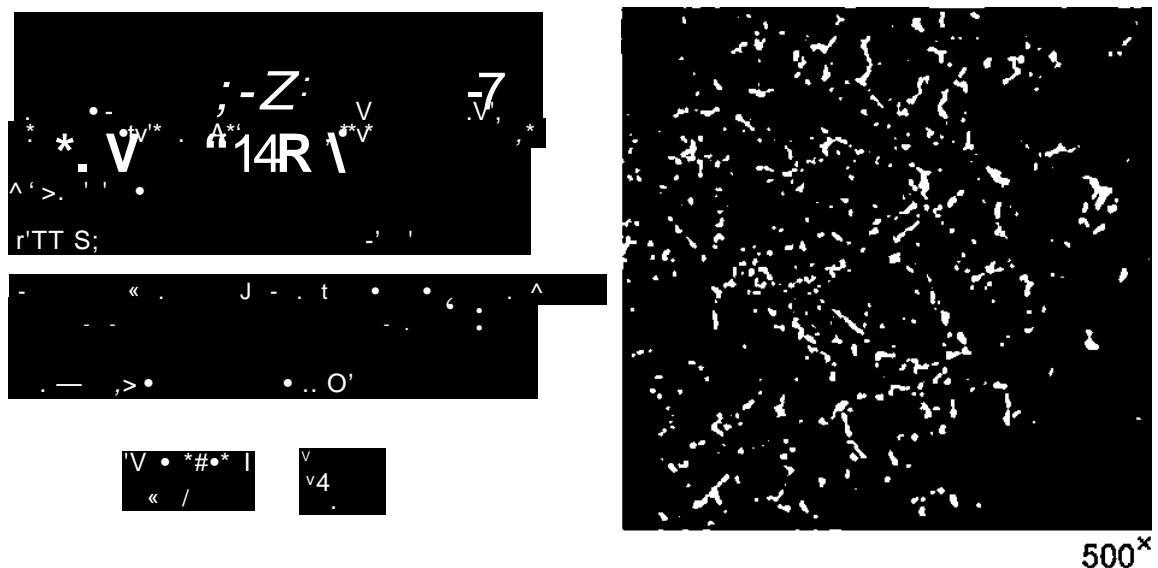


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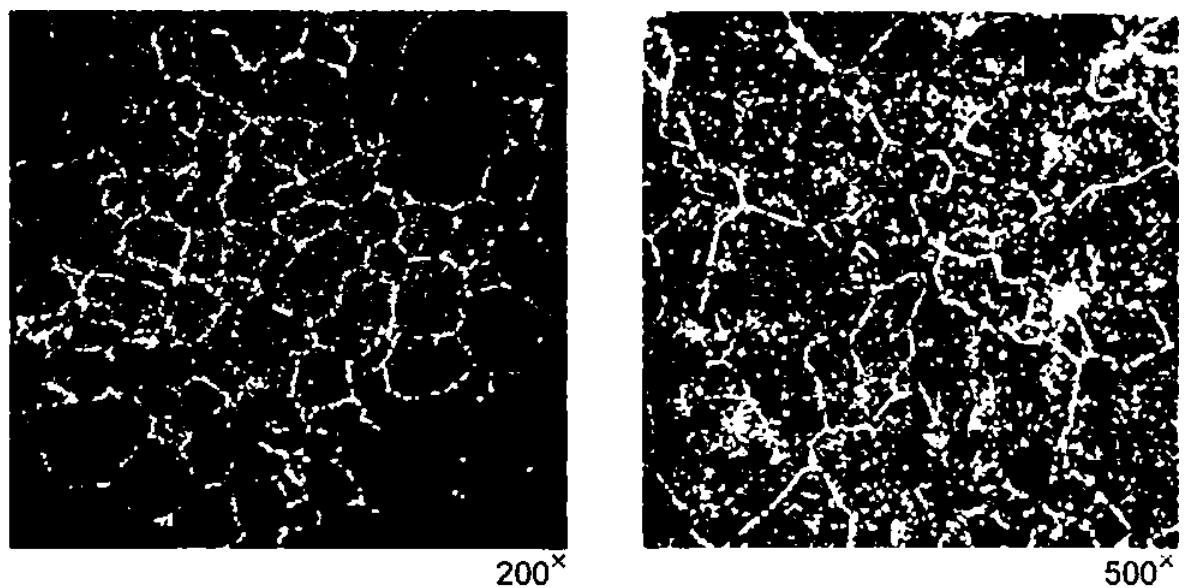


Рисунок B.6

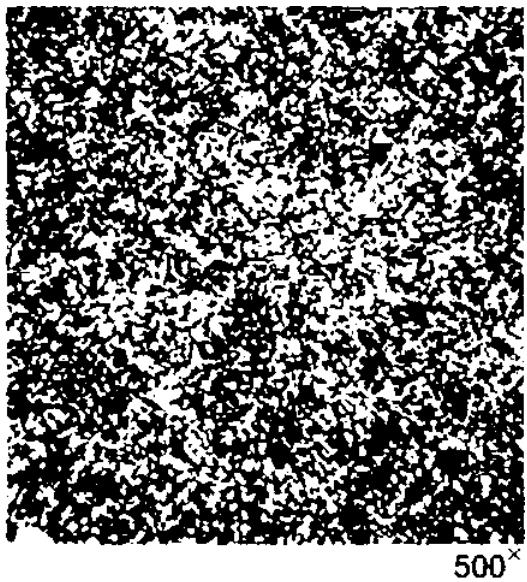
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200<sup>×</sup>



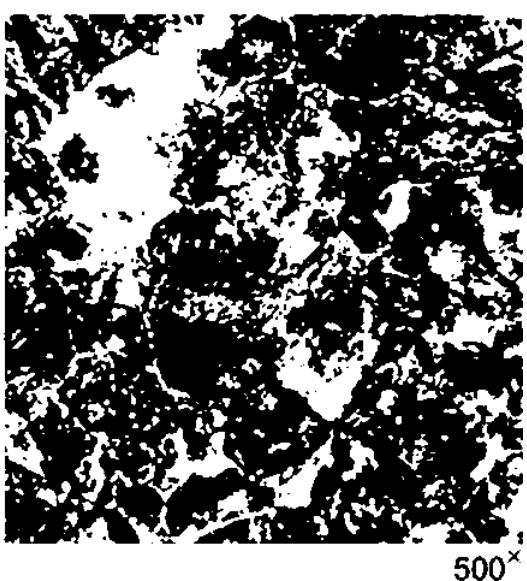
500<sup>×</sup>

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200<sup>×</sup>



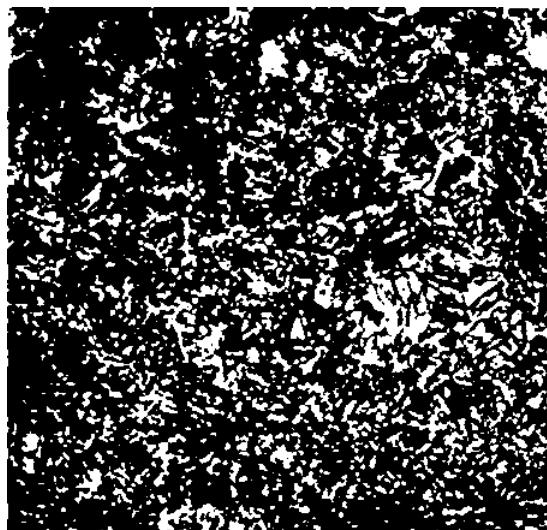
500<sup>×</sup>

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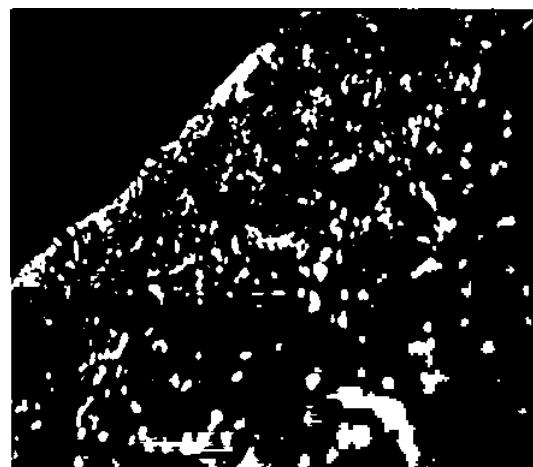
Рисунок Г.4

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