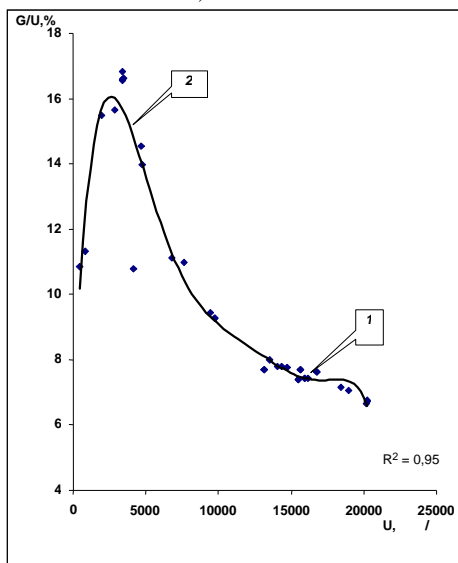






840 / , 454 7 747 / , 490 - 43 / × 35,6 / × . , - 9 200-20 280 / , 48,0 66,0 / × . 860-1 370 / , ( - ) , ( . . 2 , 1) , ( . . 2 , 2),

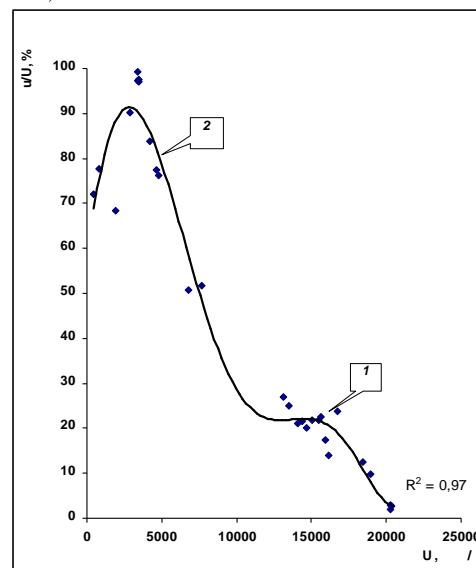


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.2.

(G/U) ( )  
(u/U) ( ).

(u/U, u -



(U)

(U)

( , ) ,



		, U	, G	/ × ,	G/U, % <sup>1</sup>	u/U, % <sup>2</sup>
[14]	–	17856,9	1312,7	65,1	7,35	16,6
[14]	–	17813,9	1324,9	66,4	7,42	13,2
[14]	–	17475,4	1295,0	65,2	7,41	16,9
	–	17263,5	1289,3	62,4	7,47	20,3
	–	14735,2	1107,3	57,4	7,51	20,8
	–	14017,9	1047,9	53,9	7,48	18,4
( . 14)	2000	13560,5	1007,7	51,5	7,47	17,3
	2500	12899,6	967,5	49,3	7,50	22,5
	500	12779,2	997,3	52,6	7,80	21,6
( . 8)	2000	12418,9	978,1	51,5	7,88	21,5
( . 13)	2000	11951,6	963,4	51,3	8,06	23,8
	2500	11184,7	958,3	53,0	8,57	42,4
( . 10)	2000	10938,7	984,6	54,8	9,00	34,6
“ , ”	1000	10882,9	971,1	55,5	8,92	34,7
( . 7)	2000	10793,9	986,8	55,8	9,14	36,2
( . 12)	2000	10382,4	925,4	52,2	8,91	32,5
	100	10184,6	974,3	58,3	9,57	43,8

<sup>1</sup> G/U, % –

<sup>2</sup> u/U, % –

(U) –

(G/U) ( . . 1), , –

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... [10].

(U)

[1].

.1

(u/U)

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” [1, .91].

( .2).

2

			/ ×	%
, 4	13873,05	1052,29	55,5125	7,00
4	11823,27	971,72	52,4955	2,83
, 62	12418,93	978,05	51,5423	4,27
62	9454,31	891,99	51,7795	1,02
, 49	10938,71	984,56	54,8308	5,22
49	9728,45	903,36	52,3302	1,40

## СПИСОК ВИКОРИСТАНОЇ ЛІТЕРАТУРИ

1. / . . . // - 1968. - 4. - . 89-93. -
2. : / [ . . . , . . . ; . . . ]. - . . . , 2005. - 703 .
3. - . . . / . . . -
4. . - . . . , 1970. - 152 .
5. . . . , . . . . - : . 1984. - 184 .
6. / . . . , . . . // : . . . . - , 2009. - . 174-178. -
7. . . . / . . . // : . . . . - , 2011. - . 110-113. -
8. . - 2003. - . 6. - . 92-95. -
9. / . . . , . . . , . . . . - . , 2006. - 325 . -
10. . . . / . . . , . . . . - . : . , . 147-149. -
11. . . . / . . . . - . : . , 1973. - . 1. - 1968. - 470 .
12. . . . , // . . . . - . : . , 1967. - . 38. - 260 .
13. . . . / . . . , . . . // - . - 1974. - 4. - . 130-146. -
14. . . . : . , 1987. - 152 . / . . . ,
15. 4 . / . . . , . . . , . . . . - . : . , 1982. - . 4. - . 1. - 623 .
16. . . . / . . . . - 1958. - . IV. - 517 .

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## ENERGY AND THERMODYNAMIC CHARACTERISTICS OF SOILS AND SUBSTRATES OF CRIMEAN PENINSULA

**Olena Yergina**

*Taurida National V. I. Vernadsky University,  
Academician Vernadsky Ave., 4, UA – 95007 Simferopol, Ukraine,  
e-mail: YazcivLena@rambler.ru*

The basic thermodynamic and energy characteristics substrates soils formations of different ages and soils of the Crimean peninsula considered. In developing strategies for remediation soils suppose to use thermodynamic parameters to assess the potential ability of formations rocks to soil. Proved that the thermodynamic position, process soil formation of autonomous increase energy and thermodynamic characteristics of the substrate on which soils formation.

*Key words:* lattice energy, Gibbs energy, entropy, soil.

*, 4, 95007, . . . ,  
e-mail: YazcivLena@rambler.ru*