

27.04.06

54.44.677.042.62

« », (.)

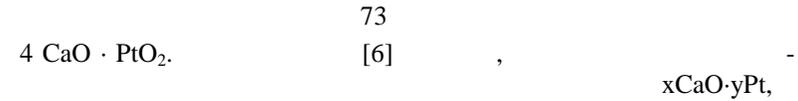
In job thermodynamic calculation of possible reactions of alkali-ground metals with platinum is lead. Theoretical dependence of change sorbtion properties from magnesium to barium is established. The thermodynamic opportunity of use alkali-ground is proved as sorbents as metal platinum, and her oxides in various modular statuses.

(CaO, MgO)

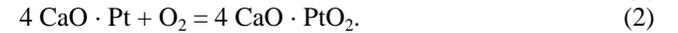
[1 - 4], . .

(Ba , Sr).

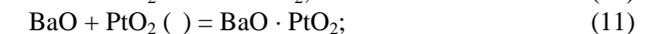
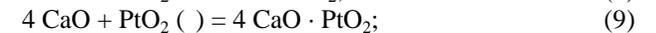
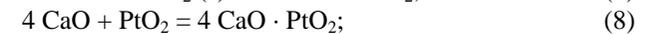
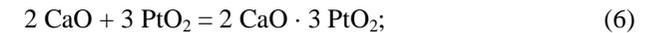
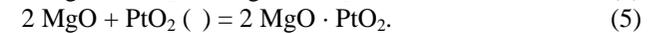
(PtO₂).



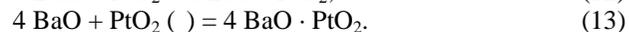
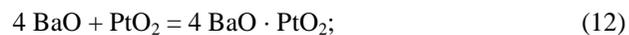
[7, 8]:



[6]



ΔG_T^0 ,


 ΔG_T^0

II

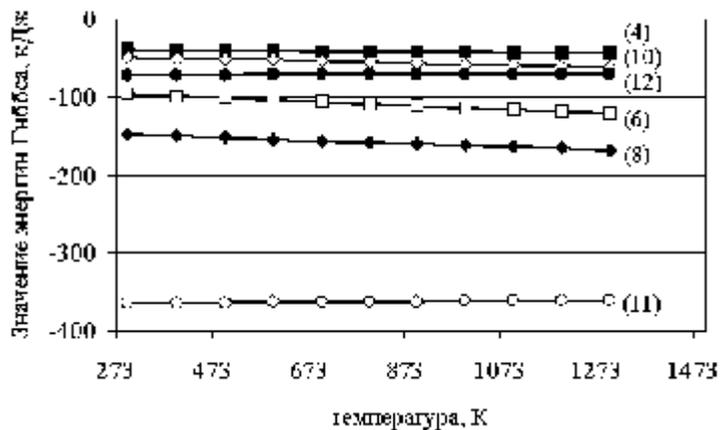
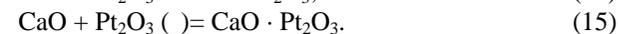
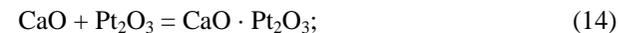
(

(IV),

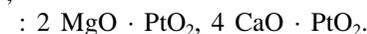
 ΔG_T^0

()

	298	400	600	800	1000	1200
(4)	-39,59	-40,05	-40,95	-41,86	-42,76	-43,66
(5)	-287,56	-268,98	-234,31	-201,81	-171,36	-142,85
(6)	-96,77	-99,27	-104,17	-109,08	-113,98	-118,88
(7)	-840,69	-786,06	-684,23	-588,95	-499,77	-416,43
(8)	-148,79	-150,74	-154,57	-158,40	-162,23	-166,06
(9)	-396,76	-379,67	-347,92	-318,36	-290,83	-265,24
(10)	-48,82	-50,22	-52,96	-55,71	-58,45	-61,19
(11)	-745,01	-706,72	-634,56	-566,06	-500,97	-439,13
(12)	-364,71	-364,29	-363,46	-362,64	-361,81	-360,98
(13)	-612,68	-593,22	-556,82	-522,59	-490,41	-460,17
(14)	-72,10	-71,93	-71,61	-71,28	-70,95	-70,62
(15)	-320,07	-300,86	-264,96	-231,24	-199,55	-169,80


 ΔG_T^0


75



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