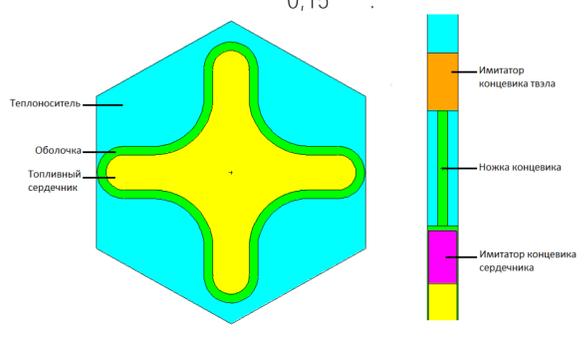
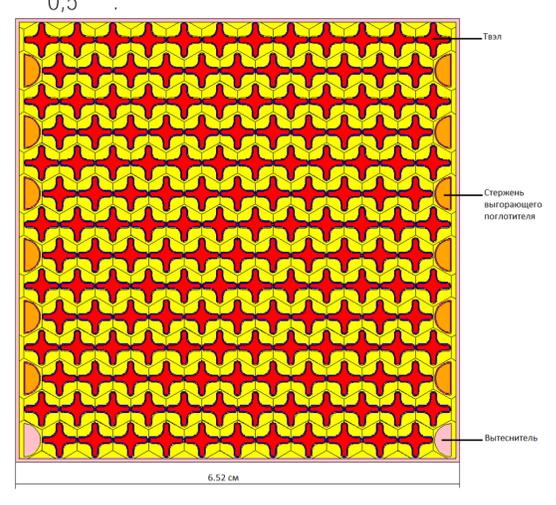


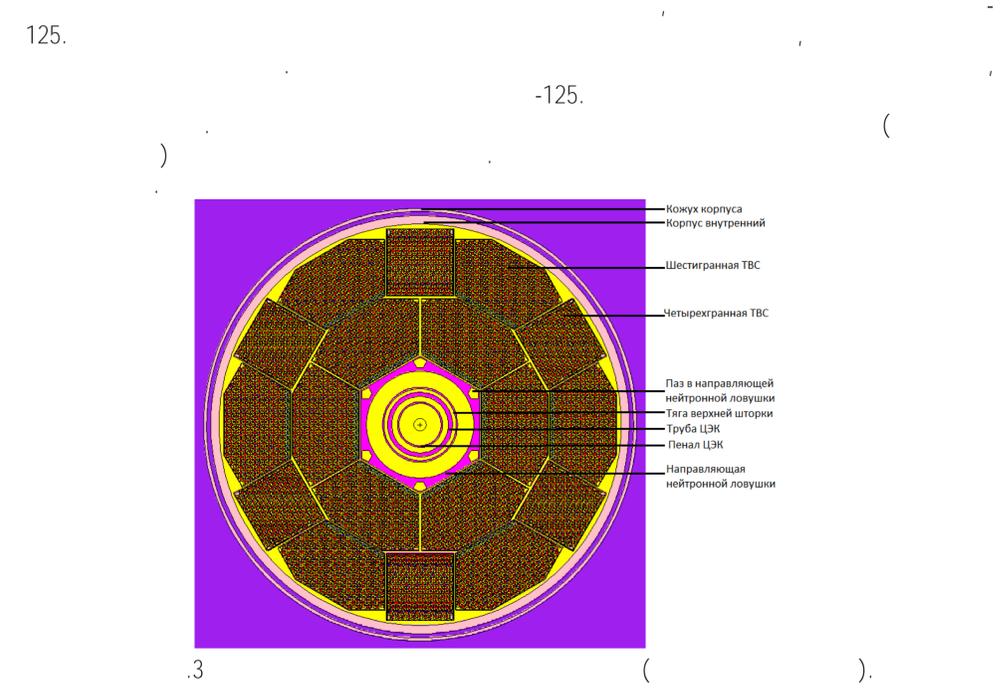
(.1).  
 ( 4,11 ).  
 500  
 90%  $^{235}\text{U}$   
 9,15 8,57  
 5,23 30,85  
 ( $\text{UO}_2 + (\text{Cu} + 0.6\% \text{Be})$ ),  
 10,46  $^2$ .  
 0,15  
 ( $\text{Cu} + 0.3\% \text{Be}$ )  
 S =



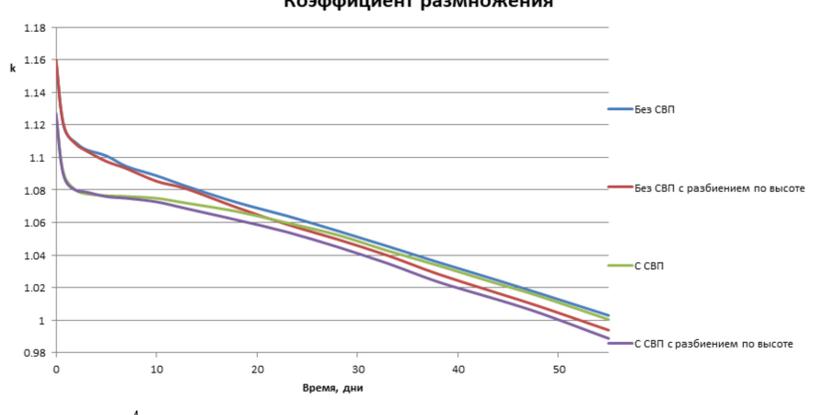
.1  
 ( ) 241  
 ( )  
 - 161 ( . 2).  
 ( )  
 - 14 ( 12 6 2 ).  
 ( $\text{ZrO}_2 + 20\% \text{Y}_2\text{O}_3 + 5; 2\% \text{Gd}_2\text{O}_3$ :  
 $^{155}\text{Gd}$  (14,73%)  $^{157}\text{Gd}$  (15,68%),  
 254000  $10^{28}$   $^2$ ,  
 0,5  
 60900  $10^{28}$   $^2$   
 0,7



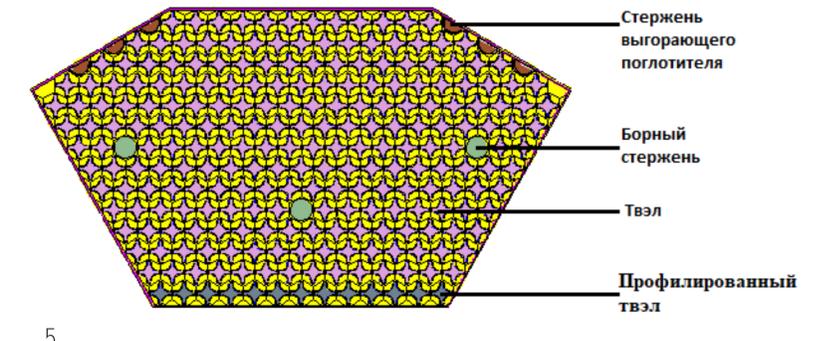
.2  
 2 12  
 - 4- 6-  
 ( . 3)



( . 4).  
 125,  
 12 18 10  
 Коэффициент размножения

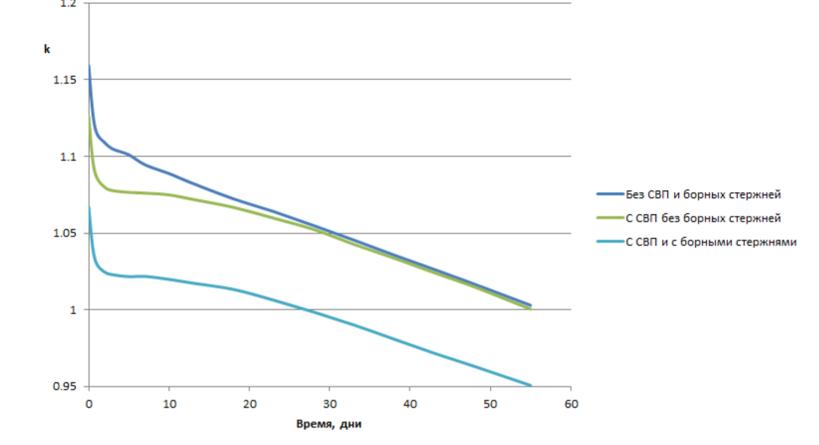


. 4  
 10  
 10 )  
 18,62  $^2$ .



|    | , %   |        |        |
|----|-------|--------|--------|
| 5  | 2,84  | 1;0870 | 0;0009 |
| 10 | 5,68  | 1;0766 | 0;0009 |
| 20 | 10,39 | 1;0660 | 0;0004 |

( . 6). 20  
 Коэффициент размножения



13;78 0;05%.  
 6-8%.  
 2;60 0;05%,  
 4;90 0;04%.  
 2