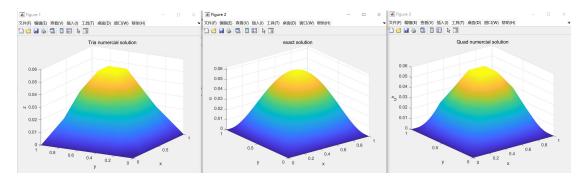
1.

Exercise	3		m=1, k	= 2	
Ls ern			h 11 ull 3		ch     u  k+1 min (k+1-5,2(k
H, err	or 11e	11,	ch° 1/4/1,		Cha    u   r min (k+1-m, r-m)
Exercise	4				
L <sub>2</sub>	error	110110 5	ch     ull	4	
		(1e/1, 3	s ch3 /1 u/1	4	
		1101/2	< ch2    u	×	
Н,	error	112112	< ch 11/4	//,	
H2 6	error	1101/2	< ch' llu	1/2	

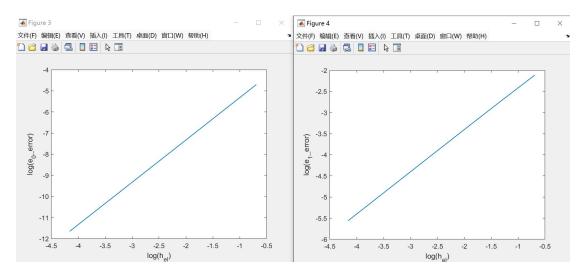
2.



3.

11010	=	ch²	11u11,
11011,	=	ch'	11 ulls

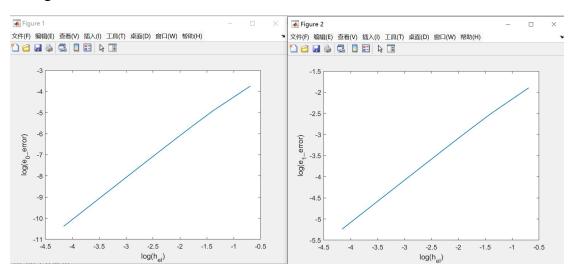
Quadratic element:



 $slope_e_0 = 2.0022$ 

 $slope_e_1 = 0.9970$ 

## Triangle element:



 $slope_e_0 = 1.9565$ 

slope e 1 = 0.9820