## Python symbolic integration of parametric K:

Paramet	ric sti	ffness mat	rix integr	ated sym	bolicall	y:			
6.94	-3.47	-3.47	-1.74	-1.74	0	-1.74	0	-1.74	
-3.47	6.94	-3.47	1.74	3.47	1.74	0	-1.74	-1.74	
-3.47	-3.47	6.94	2.22e-16	-1.74	-1.74	1.74	1.74	3.47	
-1.74	1.74	2.22e-16	0.868	0.868	0	0	1.11e-16	1.11e-16	
-1.74	3.47	-1.74	0.868	1.74	0.868	0	-0.868	-0.868	
0	1.74	-1.74	0	0.868	0.868	0	-0.868	-0.868	
-1.74	0	1.74	0	0	0	0.868	0	0.868	
0	-1.74	1.74	1.11e-16	-0.868	-0.868	0	0.868	0.868	
-1.74	-1.74	3.47	1.11e-16	-0.868	-0.868	0.868	0.868	1.74	

C++ numerical integration of shearK with 3GPs in Cartesian form:

Using Super DS	Gc3 formula	ation						
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Printing C++ c	artesian sl	near K to Bl	ezinger DO	Fs!				
6.94	-3.47	-3.47	-1.74	-1.74	0.00	-1.74	0.00	-1.74
-3.47	6.94	-3.47	1.74	3.47	1.74	0.00	-1.74	-1.74
-3.47	-3.47	6.94	0.00	-1.74	-1.74	1.74	1.74	3.47
-1.74	1.74	0.00	0.87	0.87	0.00	0.00	0.00	0.00
-1.74	3.47	-1.74	0.87	1.74	0.87	0.00	-0.87	-0.87
0.00	1.74	-1.74	0.00	0.87	0.87	0.00	-0.87	-0.87
-1.74	0.00	1.74	0.00	0.00	0.00	0.87	0.00	0.87
0.00	-1.74	1.74	0.00	-0.87	-0.87	0.00	0.87	0.87
-1.74	-1.74	3.47	0.00	-0.87	-0.87	0.87	0.87	1.74