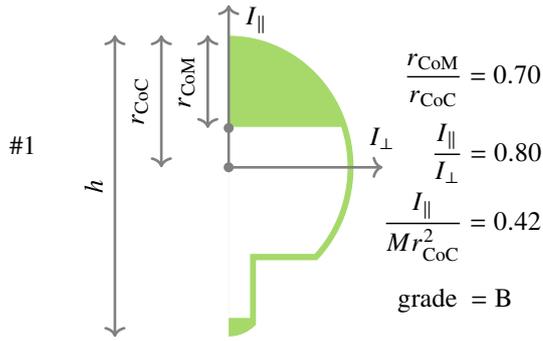


Testing protocol for the  $\pi/4$  spherical tippe top.



CoC is center of curvature  
 CoM is center of mass  
 $I$  is moment of inertia around CoC  
 $r_{CoC}/h = 0.44$

A: works  
 B: gets up on the stem  
 C: stem touches the ground  
 D: does not work

№	Filling type			
	Top	Bottom	Side	Stem
#2				
	0.73	0.74	0.74	0.74
	0.93	0.77	1.04	0.74
	0.42	0.41	0.47	0.40
#3				
	0.77	0.77	0.77	0.77
	1.01	0.76	1.16	0.74
	0.43	0.41	0.49	0.38
#4				
	0.80	0.81	0.80	0.80
	1.06	0.75	1.24	0.72
	0.43	0.40	0.50	0.35
#5				
	0.83	0.84	0.84	0.84
	1.09	0.75	1.27	0.70
	0.43	0.40	0.51	0.34
#6				
	0.87	0.88	0.87	0.87
	1.11	0.75	1.25	0.69
	0.43	0.39	0.50	0.32
#7				
	0.90	0.90	0.91	0.91
	1.11	0.76	1.19	0.70
	0.42	0.39	0.48	0.32
#8				
	0.94	0.94	0.94	0.94
	1.09	0.78	1.13	0.73
	0.42	0.39	0.45	0.34