

Definition of symmetry:

Simmetry is state of being symmetrical

Definition of symmetrical

If something is symmetrical, it has two halves which are exactly the some, except that one half is the micos image of the other

(Collins Coholid English Language Dictionary, 1968)

Gymnast acitvity can be described with two positions:

- Support position - contact with
- apparatus
- mats
- methodical aids
- coach

- Airborn position

FIG Rules have impact on symmetry.

Apparatus form design is by FIG norms symmetrical

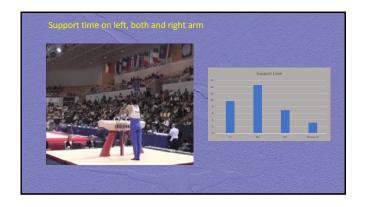
With gymnat's position appratus physical characteristics are not symmetric anymore.

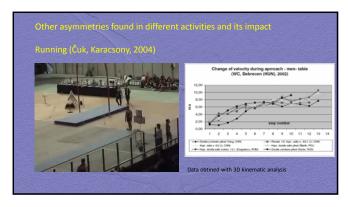
MAG, WAG: no words on symmetries

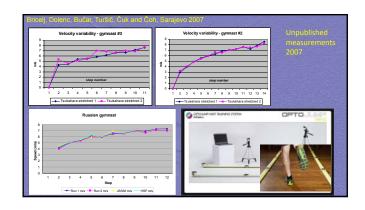
RG: 1.3.1. Technical groups The asymmetric movements of 2 Clubs must be different in their shape or amplitude and in the work planes or direction; the work planes or direction; the work planes of the clubs during asymmetric movements; 12.1 Right/Test from her workplanes of the clubs during asymmetric movements; 12.1 Right/Test from her workplanes of the clubs during asymmetric movements; 12.1 Right/Test from her workplanes of the clubs during asymmetric movements; 12.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymmetric movements; 13.1 Right/Test from her workplanes of the clubs during asymm

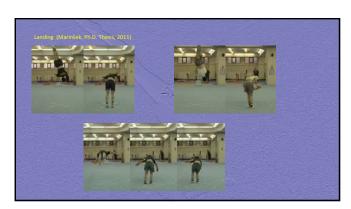












	number of somersaults	% of individual somersaults (N = 344) 49.7%		
Forward somersaults	171			
- without turns	85	24.7%		
- with turns	86	25.0%		
Backward somersaults	101	29.4%		
- without turns	24	7.0%		
- with turns	77	22.4%		
Side and »arabian« somersaults	72	20.9%		
- side somersaults	22	6.4%		
- »arabian« somersaults	50	14.5%		

	Number of somersaults	% of individual somersaults (N = 344)			
Feet together	164	47.7%			
Feet apart (< than shoulder width)	151	43.9%			
Feet wide apart (>than shoulder width)	25	7.3%			
Support of the arm	4	1.1%			
Total	344	100.0%			
				f %	
	Somersaults without a mistake in landing		103	29.9%	
	Somersaults wit	h mistakes in landing	241	70.1%	
	Total			100.0%	

SOMERSAULTS WITH MISTAKES				Number of mistakes
Small	Medium	Large	Fall	(% of structure group)
44	25		7	76 (60.3%)
57.9%	32.9%		9.2%	100.0%
28.8%	32.5%		70.0%	31.1%
25	8			33 (66.0 %)
75.8%	24.2%			100.0%
16.6%	10.5%			13.7%
28	17		1	46 (80.7%)
60.9%	37.0%		2.2%	100.0%
18.5%	22.4%		10.0%	19.1%
23	10		2	35 (68.6%)
65.7%	28.6%		5.7%	100.0%
15.2%	13.2%		20.0%	14.5%
30	13	3		46 (88.5%)
65.2%	28.3%	6.5%		100.0%
19.6%	16.9%	75.0%		18.9%
1	3	1		5 (100.0%)
20.0%	60.0%	20.0%		100.0%
.7%	3.9%	25.0%		2.0%
151	76	4	10	241 (70.1%)
	44 57.9% 28.8% 25 75.8% 16.6% 28 60.9% 18.5% 23 65.7% 15.2% 19.6% 1	44 25 57.9% 32.9% 28.8% 32.5% 25 8 75.8% 24.2% 16.6% 10.5% 28 17 60.99% 37.0% 18.5% 22.4% 23 10 65.7% 22.6% 15.2% 13.2% 30 13 65.2% 23.3% 19.6% 16.9% 1 1 3 3 20.0% 60.0%	44 25 57.9% 32.9% 32.9% 32.9% 32.5% 28.8% 32.5% 24.2% 16.6% 10.5% 28 17 60.9% 37.0% 18.5% 23 10 65.7% 23.10 3 13 3 65.2% 28.9% 19.6% 16.9% 75.0% 1 1 3 1 1 20.0% 60.0% 75.0% 20.0% 7.% 3.9% 25.0% 151 76 4	44 25 7, 75 9% 32.9% 9.2% 70.0% 25 8 70.0% 16.6% 10.5% 28 11.5% 10.0% 28 11.0% 28 11.0% 28 11.0% 28 11.0% 28 11.0% 10.5% 28 10.0% 28 15.5% 10.0% 20.0% 15.5% 28.6% 5.7% 15.2% 28.6% 5.7% 15.2% 28.6% 5.7% 15.2% 28.6% 5.7% 15.2% 20.0% 13.3 3 20.0% 13.3 3 10.2 20.0% 10.6% 16.9% 75.0% 11.3 3 1.00 11

