



Международная дистанционная астрономическая
олимпиада
International Remote Astronomy Olympiad

Италия, Милан

5-13. XI. 2021

Milan, Italy

ЯЗЫК	
language	
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language	

Practical Round - Basic criteria. For work of Jury

Note. Everywhere terms as “positioning” means “correct positioning”, “values” means “correct values”, “identification” means “correct identification”, etc..

12. Mars motion as seen from the Earth

N	Description	Points (up to)
1	Positioning of Earth and Mars on the graph	4
2	Values of the distance	2
3	Values of the α angle	2
4	Identification of the days of quadrature	1
5	Identification of the days of stationing	1
6	Plot of position angle of Mars as function of Earth-Mars distance	1
7	Time interval of retrograde motion of Mars (the point will be given only if the reported value, 75 days $\pm$ 15, is inferred from correct assumptions; it will not be given if it results by wrong assumptions)	1

13. Observations at the INAF - Abruzzo Astronomical Observatory (OAAB)

N	Description	Points (up to)
1	Identification of the first cluster	2
2	Identification of the second cluster	2
3	Identification of the third cluster	2
4	Indication if the first cluster can be observed with a single acquisition	1
5	Indication if the second cluster can be observed with a single acquisition	1
6	Indication if the third cluster can be observed with a single acquisition	1
7	Estimation of first cluster radius in light years (0.5 points max if the values is not provided in light years)	1
8	Estimation of second cluster radius in light years (0.5 points max if the values is not provided in light years)	1
9	Estimation of third cluster radius in light years (0.5 points max if the values is not provided in light years)	1

14. Galilean Moons

N	Description	Points (up to)
1	Positioning of Galilean moons on 3 nov graph	1.5
2	Positioning of Galilean moons on 4 nov graph	1.5
3	Positioning of Galilean moons on 5 nov graph	1.5
4	Positioning of Galilean moons on 8 nov graph	1.5
5	Positioning of Galilean moons on 9 nov graph	1.5
6	Positioning of Galilean moons on 10 nov graph	1.5
7	Positioning of Galilean moons on 12 nov graph	1.5
8	Identification of 1610 configuration corresponding to the 9 nov 2021 one	1.5