

World Championship 2019

Name	Result	Average Speed
Gregorio Paltrinieri	14:38.75	1.71

Name	Result	Average Speed
Gregorio Paltrinieri	14:38.75	1.71

Race	Reaction Time
1500 Free Final	00:00.78

Race	Reaction Time
11:00 (see final)	00:00.38



GWANGJU 2019



		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
Split	Total	00:26.97	00:56.03	01:24.96	01:54.23	02:23.42	02:52.76	03:21.92	03:51.47	04:20.84	04:50.53	05:19.97	05:49.53	06:19.22	06:48.80	07:18.35	07:48.02	08:17.32	08:46.46	09:15.70	09:45.38	10:14.81	10:44.60	11:14.07	11:43.84	12:13.30	12:42.87	13:12.06	13:41.48	14:10.14	14:38.75

	1°50'	2°50'	3°50'	4°50'	5°50'	6°50'	7°50'	8°50'	9°50'	10°50'	11°50'	12°50'	13°50'	14°50'	15°50'	16°50'	17°50'	18°50'	19°50'	20°50'	21°50'	22°50'	23°50'	24°50'	25°50'	26°50'	27°50'	28°50'	29°50'	30°50'	
Lap	00:26:57	00:29:06	00:28:19	00:27:19	00:29:19	00:29:34	00:29:16	00:29:55	00:29:37	00:29:69	00:29:44	00:29:56	00:29:69	00:29:58	00:29:55	00:29:67	00:29:10	00:29:14	00:29:24	00:29:68	00:29:41	00:29:79	00:29:47	00:29:77	00:29:46	00:29:57	00:29:19	00:29:42	00:29:66	00:29:61	
Speed	185.5	172	173	171	171	171	170	171	169	170	168	170	169	168	169	169	171	172	171	168	170	168	170	168	170	168	170	169	171	170	174

Lap													1'30"				1'40"				1'50"				2'00"				2'10"				2'20"			
Speed													1'30"				1'40"				1'50"				2'00"				2'10"				2'20"			
Contribution of fine 15 metres													0'52.70				0'56.77				0'58.61				0'59.13				0'59.27				0'59.32			
Lap													0'52.70				0'56.77				0'58.61				0'59.13				0'59.27				0'59.32			
Speed													1'30"				1'40"				1'50"				2'00"				2'10"				2'20"			
Contribution of fine 15 metres													0'52.70				0'56.77				0'58.61				0'59.13				0'59.27				0'59.32			

	0-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75	75-85	85-95	95-105	105-115	115-125	125-135	135-145	145-155	155-165	165-175	175-185	185-195	195-205	205-215	215-225	225-235	235-245	245-255	255-265	265-275	275-285	285-295	295-305	305-315	315-325	325-335	335-345	345-355	355-365	365-375	375-385	385-395	395-405	405-415	415-425	425-435	435-445	445-455	455-465	465-475	475-485	485-495	495-505	505-515	515-525	525-535	535-545	545-555	555-565	565-575	575-585	585-595	595-605	605-615	615-625	625-635	635-645	645-655	655-665	665-675	675-685	685-695	695-705	705-715	715-725	725-735	735-745	745-755	755-765	765-775	775-785	785-795	795-805	805-815	815-825	825-835	835-845	845-855	855-865	865-875	875-885	885-895	895-905	905-915	915-925	925-935	935-945	945-955	955-965	965-975	977-985	985-995	995-1000	1000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Soil	0.0077	0.0101	0.0119	0.0139	0.0161	0.0185	0.0211	0.0239	0.0269	0.0301	0.0335	0.0371	0.0409	0.0449	0.0491	0.0535	0.0581	0.0629	0.0679	0.0729	0.0781	0.0835	0.0891	0.0949	0.1009	0.1071	0.1135	0.1201	0.1269	0.1339	0.1409	0.1481	0.1555	0.1631	0.1709	0.1789	0.1869	0.1951	0.2035	0.2119	0.2205	0.2291	0.2379	0.2469	0.2559	0.2649	0.2741	0.2835	0.2929	0.3025	0.3121	0.3219	0.3319	0.3419	0.3521	0.3625	0.3729	0.3835	0.3941	0.4049	0.4159	0.4269	0.4379	0.4489	0.4599	0.4709	0.4819	0.4929	0.5039	0.5149	0.5259	0.5369	0.5479	0.5589	0.5699	0.5809	0.5919	0.6029	0.6139	0.6249	0.6359	0.6469	0.6579	0.6689	0.6799	0.6909	0.7019	0.7129	0.7239	0.7349	0.7459	0.7569	0.7679	0.7789	0.7899	0.8009	0.8119	0.8229	0.8339	0.8449	0.8559	0.8669	0.8779	0.8889	0.8999	0.9109	0.9219	0.9329	0.9439	0.9549	0.9659	0.9769	0.9879	0.9989	1.0000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Lap	0.0077	0.0107	0.0158	0.0219	0.0281	0.0343	0.0405	0.0467	0.0529	0.0591	0.0653	0.0715	0.0777	0.0839	0.0901	0.0963	0.1025	0.1087	0.1149	0.1211	0.1273	0.1335	0.1397	0.1459	0.1521	0.1583	0.1645	0.1707	0.1769	0.1831	0.1893	0.1955	0.2017	0.2079	0.2141	0.2203	0.2265	0.2327	0.2389	0.2451	0.2513	0.2575	0.2637	0.2699	0.2761	0.2823	0.2885	0.2947	0.3009	0.3071	0.3133	0.3195	0.3257	0.3319	0.3381	0.3443	0.3505	0.3567	0.3629	0.3691	0.3753	0.3815	0.3877	0.3939	0.4001	0.4063	0.4125	0.4187	0.4249	0.4311	0.4373	0.4435	0.4497	0.4559	0.4621	0.4683	0.4745	0.4807	0.4869	0.4931	0.4993	0.5055	0.5117	0.5179	0.5241	0.5303	0.5365	0.5427	0.5489	0.5551	0.5613	0.5675	0.5737	0.5799	0.5861	0.5923	0.5985	0.6047	0.6109	0.6171	0.6233	0.6295	0.6357	0.6419	0.6481	0.6543	0.6605	0.6667	0.6729	0.6791	0.6853	0.6915	0.6977	0.7039	0.7101	0.7163	0.7225	0.7287	0.7349	0.7411	0.7473	0.7535	0.7597	0.7659	0.7721	0.7783	0.7845	0.7907	0.7969	0.8031	0.8093	0.8155	0.8217	0.8279	0.8341	0.8403	0.8465	0.8527	0.8589	0.8651	0.8713	0.8775	0.8837	0.8899	0.8961	0.9023	0.9085	0.9147	0.9209	0.9271	0.9333	0.9395	0.9457	0.9519	0.9581	0.9643	0.9705	0.9767	0.9829	0.9891	0.9953	1.0015																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Speed	2.22	1.76	1.83	1.86	1.82	1.67	1.81	1.64	1.81	1.66	1.80	1.65	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.80	1.66	1.

[illegible]

Average swimming parameters	Average turn parameters
00:18.17	00:11.18
1.65	1.80
41.8	
00:01.37	
226.5	

2' 300					2' 300					2' 300				
Turn analysis and comparison with swimming speed					Swimming					Swimming				
					5m before the wall	5m after the wall	From 5m to 15m	From 15m to 45m		5m before the wall	5m after the wall	From 5m to 15m	From 15m to 45m	
Total time	Total	00:15.72	00:09.48	00:29.08	01:47.65					00:19.18	00:11.33	00:36.70	01:49.55	
Average time	Total	00:03.14	00:01.90	00:06.00	00:17.94					00:03.20	00:01.89	00:06.12	00:18.26	
Speed	Meters/Sec	1.59	2.64	1.67	1.67					1.56	2.65	1.63	1.64	

2° 300				3° 300			
		Swimming				Swimming	
5m before the wall	5m after the wall	From 5m to 15m	From 15m to 45m	5m before the wall	5m after the wall	From 5m to 15m	From 15m to 45m
00:19:18	00:11:33	00:36:70	01:49:55	00:19:11	00:11:44	00:36:49	01:49:70
00:01:20	00:01:89	00:06:12	00:18:26	00:01:18	00:01:91	00:06:12	00:18:28
1.56	2.05	1.63	1.64	1.57	2.62	1.64	1.64

3' 300					4' 300				
		Swimming					Swimming		
5m before the wall	5m after the wall	From 15m to 15m	From 5m to 45m	From 15m to 45m	5m before the wall	5m after the wall	From 15m to 15m	From 5m to 45m	From 15m to 45m
00:19.11	00:11.44	00:36.69	00:49.70		00:19.18	00:11.65	00:36.77	00:49.73	
00:03.18	00:01.91	00:06.12	00:18.28		00:03.20	00:01.94	00:06.13	00:18.29	
1.57	2.62	1.64	1.64		1.56	2.58	1.63	1.64	

300				5' 300			
Swimming				Swimming			
5m before the wall	5m after the wall	From 15m to 5m	From 15m to 45m	5m before the wall	5m after the wall	From 15m to 5m	From 15m to 45m
00:19.18	00:16.65	00:16.77	00:49.73	00:21.81	00:11.75	00:36.10	01:48.46
00:01.20	00:01.94	00:06.13	00:18.29	00:03.18	00:01.96	00:06.02	00:18.08
1.56	2.58	1.63	1.64	1.57	2.55	1.66	1.66

5' 300				Total			
		Swimming				Swimming	
5m before the wall	5m after the wall	From 5m to 25m	From 25m to 45m	5m before the wall	5m after the wall	From 5m to 25m	From 25m to 45m
00:21.81	00:11.75	00:36.10	01:48.46	01:35.00	00:55.65	02:56.24	09:05.09
00:03.18	00:01.96	00:06.02	00:38.08	00:03.18	00:01.92	00:06.07	00:18.17
1.57	2.55	1.66	1.66	1.57	2.61	1.65	1.65

The figure consists of three vertically stacked line graphs sharing a common x-axis representing distance in meters, from 1' 100 to 15' 100. The top graph shows Speed (m/s) fluctuating between 224.2 and 228.8. The middle graph shows Distance x Stroke (m) fluctuating between 1.60 and 1.68. The bottom graph shows Stroke Rate (strokes/min) fluctuating between 43.5 and 44.4.

Distance (m)	Speed (m/s)	Distance x Stroke (m)	Stroke Rate (strokes/min)
1' 100	224.2	1.62	44.4
2' 100	228.4	1.60	43.5
3' 100	223.5	1.65	44.4
4' 100	226.9	1.65	43.8
5' 100	226.3	1.64	43.5
6' 100	226.3	1.64	43.6
7' 100	223.9	1.63	43.9
8' 100	224.8	1.63	43.6
9' 100	227.7	1.64	43.7
10' 100	227.1	1.64	43.4
11' 100	226.2	1.64	43.7
12' 100	226.8	1.64	43.5
13' 100	224.5	1.64	43.9
14' 100	229.8	1.65	43.1
15' 100	228.8	1.68	44.2

Depth	5m before the wall	5m after the wall	From 5m to 15m	Swimming from 15m to 45m
5' 100	1.57	2.55	1.66	1.66
4' 100	1.56	2.58	1.63	1.64
3' 100	1.57	2.62	1.64	1.64
2' 100	1.56	2.65	1.63	1.64
1' 100	1.59	2.64	1.67	1.67

The graph displays the speed of a vehicle over a period of 2 hours and 5 minutes. The speed remains relatively constant, fluctuating between approximately 1.63 and 1.81 km/h. The data points are as follows:

Time	Speed (km/h)
0:0	1.81
15:5	1.66
45:5	1.80
60:5	1.65
90:15	1.80
105:15	1.66
135:15	1.79
165:15	1.63
195:15	1.79
210:15	1.65
240:15	1.78
270:15	1.63
300:15	1.78
330:15	1.63
360:15	1.78
390:15	1.63
420:15	1.78
450:15	1.63
480:15	1.79
510:15	1.63
540:15	1.78
570:15	1.63
600:15	1.78
630:15	1.65
660:15	1.79
690:15	1.67
720:15	1.81
750:15	1.66
780:15	1.77
810:15	1.63
840:15	1.78
870:15	1.65
900:15	1.78
930:15	1.64
960:15	1.78
990:15	1.63
1020:15	1.76
1050:15	1.63
1080:15	1.79
1110:15	1.64
1140:15	1.77
1170:15	1.65
1200:15	1.79
1230:15	1.65
1260:15	1.79
1290:15	1.65
1320:15	1.80
1350:15	1.70
1380:15	1.81
1410:15	1.67