

**AIMS**Associaton of International  
Marathons and Road Races

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**COURSE MEASUREMENT REPORT:  
Podgorica Marathon 2010**

I measured the whole course of the „Podgorica Marathon“ from the start to the finish.  
I was accompanied by the organisers (two cars).

**Course measurement data sheet****NAME OF COURSE:** Podgorica Marathon 2010**ADVERTISED RACE DISTANCE:** 42195 km**LOCATION OF START:** U. Slobode 72**LOCATION OF FINISH (IF DIFFERENT):** Trg Repubike in front of Elmag shopping centre**DIFFERENCE IN HEIGHT BETWEEN START AND FINISH:** 0m**DIFFERENCE IN DISTANCE BETWEEN START AND FINISH:** 119,6m**RACE DIRECTOR (IF COURSE IS MEASURED FOR SPECIFIC EVENT)**NAME: Milan Madžgalj (maraton@t-com.me)  
ADRESS: St 19. Decembra 21, 81000 Podgorica, Montenegro**TYPE OF TERRAIN:** FLAT ROLLING HILLY**ALTITUDE:** START: 44 m HIGHEST: 66m LOWEST: 44m FINISH: 44 m**TYPE OF COURSE:** ~~OUT & BACK~~ POINT-TO-POINT LOOP COURSE**DATE OF THE EVENT:** 31. 10. 2010**DATE MEASURED:** 23.10.2010**START TIME:** 10:40 am**TEMPERATURE:** 20 °C**FINISH TIME:** 03:00 pm**TEMPERATURE:** 22 °C



## Detail of calibration course

**NAME OF EVENT:** Podgorica Marathon 2010

**DATE OF THE EVENT:** 31.10.2010

**NAME OF CALIBRATION COURSE:** Cemovsko Polje

**LENGTH OF CALIBRATION COURSE:** 300m

**CITY:** Podgorica

**DATE MEASURED:** 23.10.2010

**METHOD USED TO MEASURE CALIBRATION COURSE:** steel tape

**HOW ARE START AND FINISH POINTS MARKED:** by nails

**MEASURING TEAM LEADER:** Rainer Soos

**OFFICIAL AIMS/IAAF COURSE MEASURER:**

Rainer Soos  
Kanzelweg 8  
9220 Velden am Wörthersee  
Tel: 0043 699 12 11 13 40

## Bicycle calibration data sheet

**DATE OF MEASUREMENT:** 23.10.2010

**LENGTH OF CALIBRATION COURSE:** 300m

**PRE - MEASUREMENT:**

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	1000	4313	3313
2	4313	7628	3315
3	7628	10942	3314
4	10942	14256	3314

**time of day:** 09:45 am

**temperature:** 19°C

**PRE - MEASUREMENT AVERAGE COUNT:**

$$\begin{array}{rclclcl}
 13256 & : & 4 & = & 3314 & = & 11046,6667 / \text{km} \\
 11046,6667 & \times & 1,001 & = & 11057,71333 & & \text{WORKING CONSTANT}
 \end{array}$$

**POST - MEASUREMENT:**

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	481000	484311	3311
2	484311	487621	3310
3	487621	490932	3311
4	490932	494243	3311

**time of day:** 03:20 pm

**temperature:** 22°C

**POST-MEASUREMENT AVERAGE COUNT:**

$$\begin{array}{rclclcl}
 13243 & : & 4 & = & 3310,75 & = & 1111035,833 / \text{km} \\
 11035,833 & \times & 1,001 & = & 11046,86917 & & \text{FINISHING CONSTANT}
 \end{array}$$

**CONSTANT OF THE DAY: 11052,29125 per km**

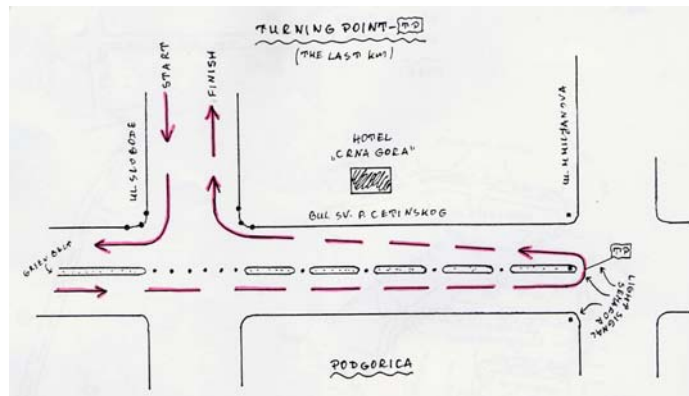
average of both Working Constant and Finishing Constant = Constant of the Day

## Description of the course

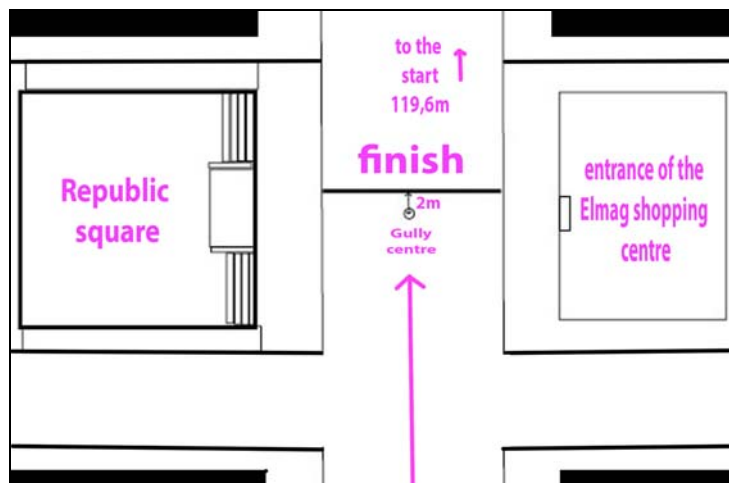
Start: U. Slobode 72; 19,4m in front of U. Herzogovačka →



→ Bul.Sv.p.Cetinjskog → U.S.Dragojevic → Millenium Bridge → U.13.Jula → U.Dalmatinska → Bul.Dz.Vasingtona → U.27.Marta → U.Z.Vladara → Sripska → Golubovci → Milatovica → Mataguzi → Vladni → Dusici → Tuzi → Put R.Ivanovicia → U.Bracanovica → U.Kralja Nikole → Union Bridge → U.J.Tomasevica → Millenium Bridge → U.S.Dragojevic → Bul.Sv.P.Cetinjskog → turning point at U.M.Miljanova → Bul.Sv.Cetinjskog → U.Slobode →



finish at Trg (Place) Republike (in front of Elmag shopping centre)





# IAAF

## ROAD RACE COURSE MEASUREMENT CERTIFICATE

Name of Race:	<b>Podgorica Marathon 2010</b>		
Location:	<b>Podgorica</b>	Country:	<b>Montenegro</b>
Date of Race:	<b>31.10.2010</b>	Distance of Race:	<b>42195 km</b>
Measured Distance of Course:	<b>42195 km</b>	Date Measured:	<b>23.10.2010</b>
Altitude (in metres above sea level)			
Start: <b>44m</b>	Highest: <b>65m</b>	Lowest: <b>44m</b>	Finish: <b>44m</b>
Type of Course:	<b>Loop course</b>		
Local Race Measurer:	<b>Milan Madžgalj (maraton@t-com.me)</b>		
Adress:	<b>19. Decembra 21, 81000 Podgorica, Montenegro</b>		
Method of Measuring:	<b>Bicycle</b>	<b>Steel tape</b>	
IAAF Approved Course Measurer:	<b>Mag. Rainer Soos (aims.austria@gmail.com)</b>		
Adress:	<b>Kanzelweg 8 9220 Velden am Wörthersee Austria</b>		

This is to certify that the course described above and defined by the attached map has been measured and approved for certification. The course measurement complies with IAAF Rules for Road Race Course Measurement and the measured distance is not less than the official distance for the event. It remains valid for five years. Any modification of the course, however minimal, will require a new official measurement.

Signature  
IAAF Approved Course Measurer

23.10.2010  
Date