

VAJA 12 – PRVA IN DRUGA GEODETSKA NALOGA NA KROGLI – REŠITVE NALOG

Naloga 1

$$MARI(\varphi, \lambda) = (46^\circ 33' 44'', 15^\circ 38' 55'')$$

Naloga 2

$$A_{GSR1-ZIMM} = 282^\circ 12' 23''$$

$$A_{ZIMM-GSR1} = 97^\circ 4' 19''$$

$$D_{GSR1-ZIMM} = 549,744 \text{ km}$$

Naloga 3

$$0001(\varphi, \lambda) = (37^\circ 40' 24'', 13^\circ 43' 28'')$$

Da. Pri azimutu $A_{KOPE-0001} = 180^\circ 0' 0''$ potuješ po poldnevniku. $D_{KOPE-MARI}$ je torej dolžina loka poldnevnika. Velja:

$$\varphi_{0001} = \varphi_{KOPE} - D_{lok \text{ poldnevnika}} [^\circ ' '']$$

$$\lambda_{0001} = \lambda_{KOPE}$$

Naloga 4

$$C(\varphi, \lambda) = (24^\circ 41' 40'', 104^\circ 9' 30'')$$

$$A_{AC} = 205^\circ 50' 37''$$

$$A_{AB} = 270^\circ 0' 0''$$

$$A_{BC} = 180^\circ 0' 0''$$

$$d = 309^\circ 21' 12''$$