

## GEODETSKI RAČUNI – VAJE

### VAJA 10 – 1. IN 2. GEODETSKA NALOGA NA KROGLI – REŠITVE

#### Naloga 1

$$\varphi_{MARI} = 46^{\circ} 33' 44''$$

$$\lambda_{MARI} = 15^{\circ} 38' 55''$$

#### 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

$$\varphi_{0001} = 37^{\circ} 40' 24''$$

$$\lambda_{0001} = 13^{\circ} 43' 28''$$

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

$$90^{\circ}$$