

Rajon

Ze zadaných hodnot vypočtete souřadnice bodu č. 701.

Dáno: 5001 [5 000,00; 8 000,00]

5002 [5 162,09; 8 420,74]

Měřeno: $s_{5001,701} = 150,29$ m

$\omega_{5002,701} = 100,1234$ gon

Určit: 701 [? ; ?]

-
1. $\sigma_{5001,5002} = 23,4102^\text{g}$ (výpočet viz Směrník)
 2. $\sigma_{5001,701} = \sigma_{5001,5002} + \omega_{5002,701} = 23,4102 + 100,1234 = 123,5336^\text{g}$
 3. $\Delta y_{5001,701} = s_{5001,701} * \sin \sigma_{5001,701} = 150,29 * \sin 123,5336 = +140,14$ m
 $\Delta x_{5001,701} = s_{5001,701} * \cos \sigma_{5001,701} = 150,29 * \cos 123,5336 = -54,30$ m
 4. $Y_{701} = Y_{5001} + \Delta y_{5001,701} = 5000,00 + 140,14 = \mathbf{5\ 140,14\ m}$
 $X_{701} = X_{5001} + \Delta x_{5001,701} = 8000,00 - 54,30 = \mathbf{7\ 945,70\ m}$