

### Výpočet smerníkov a dĺžok

| Δy              | Δx | kvadrant | Smerník  | Súradnice                                     |   | $\frac{\Delta y}{\Delta x}$ | sin φ<br>cos φ  | Δx + Δy<br>Δx - Δy    |
|-----------------|----|----------|----------|---|---|-----------------------------|---|-----------------------|
|                 |    |          |          | $y_B$<br>$y_A$<br>Δy = $y_B - y_A$<br>Δx + Δy | $x_B$<br>$x_A$<br>Δx = $x_B - x_A$<br>Δx - Δy |                             |   |                       |
| +               | +  | I        | φ        |   |   | tg φ                        | $S_{AB} \begin{cases} \frac{ \Delta y }{\sin \varphi} \\ \frac{ \Delta x }{\cos \varphi} \end{cases}$ | tg (φ + 50°)          |
| +               | -  | II       | 200° - φ |   |   | φ                           |   | φ + 50°               |
| -               | -  | III      | 200° + φ |   |   | σ <sub>AB</sub>             |   | σ <sub>AB</sub> + 50° |
| -               | +  | IV       | 400° - φ |   |   | σ <sub>BA</sub>             |   | σ <sub>AB</sub>       |
| Označenie bodov |    |          |          |   |   |                             |   |                       |
| B               |    |          |          |   |   |                             |   |                       |
| A               |    |          |          |   |   |                             |   |                       |
|                 |    |          |          |   |   |                             |   |                       |
|                 |    |          |          | Smerník                                       | A - B   |                             |   |                       |
|                 |    |          |          |   | B - A   |                             |   |                       |
| B               |    |          |          |   |   |                             |   |                       |
| A               |    |          |          |   |   |                             |   |                       |
|                 |    |          |          |   |   |                             |   |                       |
|                 |    |          |          | Smerník                                       | A - B   |                             |   |                       |
|                 |    |          |          |   | B - A   |                             |   |                       |
| B               |    |          |          |   |   |                             |   |                       |
| A               |    |          |          |   |   |                             |   |                       |
|                 |    |          |          |   |   |                             |   |                       |
|                 |    |          |          | Smerník                                       | A - B   |                             |   |                       |
|                 |    |          |          |   | B - A   |                             |   |                       |
| B               |    |          |          |   |   |                             |   |                       |
| A               |    |          |          |   |   |                             |   |                       |
|                 |    |          |          |   |   |                             |   |                       |
|                 |    |          |          | Smerník                                       | A - B   |                             |   |                       |
|                 |    |          |          |   | B - A   |                             |   |                       |
| B               |    |          |          |   |   |                             |   |                       |
| A               |    |          |          |   |   |                             |   |                       |
|                 |    |          |          |   |   |                             |   |                       |
|                 |    |          |          | Smerník                                       | A - B   |                             |   |                       |
|                 |    |          |          |   | B - A   |                             |   |                       |
| B               |    |          |          |   |   |                             |   |                       |
| A               |    |          |          |   |   |                             |   |                       |
|                 |    |          |          |   |   |                             |   |                       |
|                 |    |          |          | Smerník                                       | A - B   |                             |   |                       |
|                 |    |          |          |   | B - A   |                             |   |                       |