|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Измерен-ные  углы теод. хода | | Исправ-ленные  углы | Дирек-ционные  углы | | Румбы | | | | | Горизонта-льные проложения линий,  м | Приращение координат, м | | | | | | | | | Координаты,  м | | NN Точек |
| Название | | Угловая величина | | | Вычисленные | | | | | Исправленные | | | |
| о | ´ | о | | ´ | ± | x | ± | | y | ± | x | ± | y | x | y |
| 1 | 2 | 3 | 4 | | 5 | | | | | 6 | 7 | | 8 | | | 9 | | 10 | | 11 | 12 | 13 |
| **β1** |  |  |  |  |  |  | |  | |  |  |  |  |  | |  |  |  |  |  |  | 1 |
| **β2** |  |  |  |  |  |  | |  | |  |  |  |  |  | |  |  |  |  |  |  | 2 |
| **β3** |  |  |  |  |  |  | |  | |  |  |  |  |  | |  |  |  |  |  |  | 3 |
| **β4** |  |  |  |  |  |  | |  | |  |  |  |  |  | |  |  |  |  |  |  | 4 |
| **β 5** |  |  |  |  |  |  | |  | |  |  |  |  |  | |  |  |  |  |  |  | 5 |
|  | Σ **βизм ==** | Σ **β =** |  |  |  |  | |  | |  |  |  |  |  | |  |  |  |  |  |  | 1 |
|  |  |  | d2-3  d3-4  d4-1 | | | | | | | Σdi=p= | Σ+  Σ- | | Σ+  Σ- | | | Σ+  Σ- | | Σ+  Σ- | |  |  |  |
|  | | | | | | | | | | | fx= | | fy= | | | fx= | | fy= | |  | | |

∑βтеор= 180о(n-2) = Абсолютная невязка f абс = **√** ƒх2+ ƒу2 =

f βдоп = ± 1´ √ n = Относительная невязка fотн = f абс/ P

Норма относительной невязки fотн.доп ≤ 