Zadanie Hansena

|  |  |
| --- | --- |
| Szkic*ϕβ**A=* ctg *α = ....................................**B=* ctg *β = .....................................**C=* ctg *γ = .....................................**D=* ctg *δ = ....................................**= .....................................* | **Wzory i obliczenia wstępne:***Q**δ**γ**ββ**α**P*A*B**δ**γ**ββ**α**P**Q**A*B(*X,Y*)*P* = ***A0 B0***(*X,Y*)*Q* = ***C0 D0*** |
| **Dane:** | Zestawienie formy rachunkowej do obliczenia punktu P |
| *XA* |  | *YA* |  | ***XA*** |  | ***YA*** |  | ***XB*** |  | ***YB*** |  |
| *XB* |  | *YB* |  | **-1** | -1 | ***A0*** |  | **+1** | +1 | ***B0*** |  |
| ∢*APB* |  |  |  | ∢*AQB* |  |  |  | Zestawienie formy rachunkowej do obliczenia punktu Q |
| ∢*QPA* |  |  |  | *∢BQP* |  |  |  | ***XA*** |  | ***YA*** |  | ***XB*** |  | ***YB*** |  |
| ***α*** |  |  |  | ***β*** |  |  |  | **+1** | +1 | ***C0*** |  | **-1** | -1 | ***D0*** |  |
| ***γ*** |  |  |  | ***δ*** |  |  |  | **Współrzędne punktów szukanych** |
| ***Kontrola:***tg *ϕ =*  | ***XP*** |  | ***YP*** |  | ***XQ*** |  | ***YQ*** |  |
| ***Kontrola:*** tg *α =*  ∢*QPB =.........................* tg (360°–*δ*) *=*  ∢*AQP=.........................* |

Zadanie Hansena

|  |  |
| --- | --- |
| Szkic*ϕβ**A=* ctg *α = ....................................**B=* ctg *β = .....................................**C=* ctg *γ = .....................................**D=* ctg *δ = ....................................**= .....................................* | **Wzory i obliczenia wstępne:***Q**δ**γ**ββ**α**P*A*B**δ**γ**ββ**α**P**Q**A*B(*X,Y*)*P* = ***A0 B0***(*X,Y*)*Q* = ***C0 D0*** |
| **Dane:** | Zestawienie formy rachunkowej do obliczenia punktu P |
| *XA* |  | *YA* |  | ***XA*** |  | ***YA*** |  | ***XB*** |  | ***YB*** |  |
| *XB* |  | *YB* |  | **-1** | -1 | ***A0*** |  | **+1** | +1 | ***B0*** |  |
| ∢*APB* |  |  |  | ∢*AQB* |  |  |  | Zestawienie formy rachunkowej do obliczenia punktu Q |
| ∢*QPA* |  |  |  | *∢BQP* |  |  |  | ***XA*** |  | ***YA*** |  | ***XB*** |  | ***YB*** |  |
| ***α*** |  |  |  | ***β*** |  |  |  | **+1** | +1 | ***C0*** |  | **-1** | -1 | ***D0*** |  |
| ***γ*** |  |  |  | ***δ*** |  |  |  | **Współrzędne punktów szukanych** |
| ***Kontrola:***tg *ϕ =*  | ***XP*** |  | ***YP*** |  | ***XQ*** |  | ***YQ*** |  |
| ***Kontrola:*** tg *α =* ∢ *QPB =..........................* tg (360°–*δ*) *=*  ∢*AQP =.........................* |