

Given:

$\Delta = 110^\circ 18' 12''$   
 $C = 665.79'$   
 $PC = 14+78.21$

Find:

Deflection angles and sub-chords to layout this curve on half stations. Include the midpoint of arc in the table.

- (1)  $\Delta = 110^\circ 18' 12''$
- (2)  $R = \underline{\hspace{2cm}}$
- (3)  $L = \underline{\hspace{2cm}}$
- (4)  $C = 665.79'$
- (5)  $T = \underline{\hspace{2cm}}$
- (6)  $M = \underline{\hspace{2cm}}$
- (7)  $E = \underline{\hspace{2cm}}$
- (8)  $D_A = \underline{\hspace{2cm}}$
- (9)  $D_C = \underline{\hspace{2cm}}$
- (10)  $d_f = \underline{\hspace{2cm}}$

STATION	$l$	$\alpha/2$	SC
PC 14+78.21	-0-	-0-	-0-
15+00			
15+50			
16+00			
16+50			
17+00			
17+50			
18+00			
18+50			
MPOC <u>  +  </u> .			
19+00			
19+50			
20+00			
20+50			
21+00			
21+50			
22+00			
PT <u>  +  </u> .			

Given:

$\Delta = 28^{\circ}31'17''$   
 $R = 393.44'$   
 $PC = 1+00.00$

Find:

Deflection angles and sub-chords to layout this curve on quarter stations. Include the midpoint of arc in the table.

- (1)  $\Delta = 28^{\circ}31'17''$
- (2)  $R = 393.44'$
- (3)  $L = \underline{\hspace{2cm}},$
- (4)  $C = \underline{\hspace{2cm}},$
- (5)  $T = \underline{\hspace{2cm}},$
- (6)  $M = \underline{\hspace{2cm}},$
- (7)  $E = \underline{\hspace{2cm}},$
- (8)  $D_A = \underline{\hspace{1cm}}^{\circ} \underline{\hspace{1cm}}, \underline{\hspace{1cm}}''$
- (9)  $D_C = \underline{\hspace{1cm}}^{\circ} \underline{\hspace{1cm}}, \underline{\hspace{1cm}}''$
- (10)  $d_f = \underline{\hspace{2cm}}^{\circ}$

STATION	$l$	$\alpha/2$	SC
PC 1+00	-0-	-0-	-0-
1+25			
1+50			
1+75			
MPOC <u>  +  </u> .			
2+25			
2+50			
2+75			
PT <u>  +  </u> .			