

$$r = 8,65 \quad \frac{\Delta r}{r} = \frac{0,9}{8,65} = 0,104 \rightarrow 2.44$$

$$\Delta r = 0,9$$

$$\left. \begin{array}{l} r_t = 0,7843 \\ r_u = 8,65 \text{ cm} \end{array} \right\} A = \frac{r_u}{r_t} = \frac{8,65}{0,7843} = 11,029$$

$$x_t = 1,1933 \rightarrow x_u = x_t \cdot A = 1,1933 \cdot 11,029 = \underline{13,161}$$

$$y_t = 0,3295 \rightarrow y_u = y_t \cdot A = 0,3295 \cdot 11,029 = \underline{3,634}$$

$$l_t = 1,2750 \rightarrow l_u = l_t \cdot A = 1,2750 \cdot 11,029 = \underline{14,062}$$

### ZWISCHENPUNKTE:

$$l_1 = 2 \rightarrow l_t = \frac{l_1}{A} = \frac{2}{11,029} = 0,1813 \dots \text{ kein Ergebnis.}$$

$$l_2 = 4 \rightarrow l_t = \frac{4}{11,029} = 0,3626 \rightarrow 2.8$$

$$x_t = 0,3748 \rightarrow x_u = \underline{4,134}$$

$$y_t = 0,0088 \rightarrow y_u = \underline{0,097}$$

$$l_3 = 6 \rightarrow l_t = \frac{6}{11,029} = 0,544 \rightarrow 2.15$$

$$x_t = 0,5487 \rightarrow x_u = \underline{6,05}$$

$$y_t = 0,0277 \rightarrow y_u = \underline{0,306}$$

$$l_4 = 8 \rightarrow l_t = \frac{8}{11,029} = 0,725 \rightarrow 2.22$$

$$x_t = 0,72 \rightarrow x_u = \underline{7,94}$$

$$y_t = 0,0632 \rightarrow y_u = \underline{0,697}$$

$$l_5 = 10 \rightarrow l_t = \frac{10}{11,029} = 0,9067 \rightarrow 2.29$$

$$x_t = 0,8853 \rightarrow x_u = \underline{9,764}$$

$$y_t = 0,1201 \rightarrow y_u = \underline{1,324}$$

$$l_6 = 12 \rightarrow l_t = \frac{12}{11,029} = 0,9067 \rightarrow 2.37$$

$$x_t = 1,0604 \rightarrow x_u = \underline{11,695}$$

$$y_t = 0,2161 \rightarrow y_u = \underline{2,3833}$$

$$l_2 = 3,2395 \rightarrow l_c = \frac{3,2395}{11,029} = 0,293 \rightarrow z. 5$$

$$x_c = 0,2999 \rightarrow x_u = \underline{3,307}$$

$$y_c = 0,0045 \rightarrow y_u = \underline{0,049}$$

$$t_c = 0,2 \rightarrow t_u = t_c \cdot A = \underline{2,2058}$$

$$l_8 = 9,2395 \rightarrow l_c = \frac{9,2395}{11,029} = 0,8377 \rightarrow z. 27$$

$$x_c = 0,8155 \rightarrow x_u = \underline{9,25}$$

$$y_c = 0,0928 \rightarrow y_u = \underline{1,11}$$

$$t_c = 0,5706 \rightarrow t_u = \underline{6,29}$$

### KREISSEGMENTE:

$\alpha$  gemessen  $\sim 7,8^\circ$

$$\frac{7,8^\circ}{360^\circ} \hat{=} \frac{13}{600}$$

$$r = 8,65 \text{ cm}$$

$$u = 2r\pi = 54,8693 \cdot \frac{13}{600} = \underline{1,1776 \text{ cm}}$$

$$u = 54,3495 \cdot \frac{54,34}{6 \text{ cm}} = 9,058 \text{ cm}$$

$$9 \cdot \frac{360^\circ}{9,058} = \underline{39,74^\circ} = \alpha \beta$$