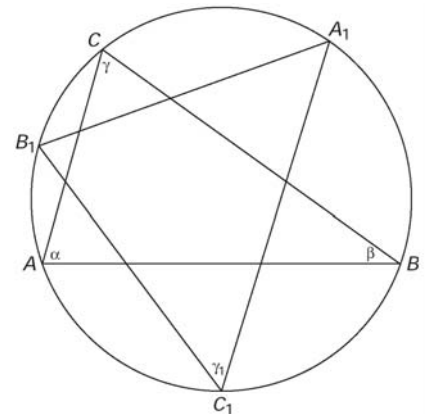


Middens van bogen

18. $\alpha = \frac{1}{2} \text{bg } BC$ en $\text{bg } A_1C = \frac{1}{2} \text{bg } BC \rightarrow \text{bg } CA_1 = \alpha$
 $\beta = \frac{1}{2} \text{bg } AC$ en $\text{bg } B_1C = \frac{1}{2} \text{bg } AC \rightarrow \text{bg } B_1C = \beta$
 $\angle \gamma_1 = \frac{1}{2} \text{bg } A_1B_1 = \frac{1}{2} (\text{bg } B_1C + \text{bg } CA_1)$
 $= \frac{1}{2} (\alpha + \beta) = \frac{1}{2} (100 - \gamma)$



19. $\gamma_{n+1} - 60^\circ = \frac{1}{2} (180^\circ - \gamma_n) - 60^\circ = \frac{1}{2} [180^\circ - \gamma_n - 120^\circ] = \frac{1}{2} (-\gamma_n + 60)$
 $= \frac{1}{2} (-(\gamma_n - 60^\circ)) = -\frac{1}{2} (\gamma_n - 60^\circ)$

20. $\gamma_{n+1} = -\frac{1}{2} \gamma_n + 90^\circ$
 $y = -\frac{1}{2} x + 90^\circ$ snijden met $y = x$
 $\frac{3}{2} x = 90 \rightarrow x = 60^\circ$ dekpunt $(60^\circ ; 60^\circ)$ convergeert naar 60°

De rij convergeert, zie webgrafiek

