

9.38
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$$\frac{\sin \alpha - \sin \beta}{\sin \alpha} = 1 - 2 \cos \gamma$$

$$1 - \frac{\sin \beta}{\sin \alpha} = 1 + 2 \cos(\alpha + \beta)$$

$$-\frac{\sin \beta}{\sin \alpha} = 2 \cos(\alpha + \beta)$$

$$-\sin \beta = 2 \sin \alpha \cos(\alpha + \beta)$$

$$-\sin \beta = \sin(2\alpha + \beta) - \sin \beta$$

$$\boxed{\alpha = \gamma}$$

$$\left. \begin{array}{l} 2\alpha + \beta = \pi \\ \alpha + \beta + \gamma = \pi \end{array} \right\} \text{Angeln e. Kreis}$$