

$$\begin{aligned}
 \frac{2.78}{2.6} \quad \sin \alpha + \sin \beta &= \sin \gamma = \sin(\beta + \gamma) = 2 \sin \frac{\beta + \gamma}{2} \cos \frac{\beta - \gamma}{2} = 2 \sin \frac{\beta + \gamma}{2} \cos \frac{\beta + \gamma}{2} + 2 \sin \frac{\beta + \gamma}{2} \cos \frac{\beta - \gamma}{2} = \\
 &= 2 \sin \frac{\beta + \gamma}{2} \left[\cos \frac{\beta + \gamma}{2} + \cos \frac{\beta - \gamma}{2} \right] = 2 \sin \frac{180 - \alpha}{2} \cdot 2 \cos \left(\frac{\beta}{2} \right) \cos \left(\frac{\gamma}{2} \right) = \\
 &= 4 \cos \left(\frac{\alpha}{2} \right) \cos \left(\frac{\beta}{2} \right) \cos \left(\frac{\gamma}{2} \right)
 \end{aligned}$$