

152. Mutassuk meg, hogy

$$\cos \alpha + \cos \beta + \cos \gamma = 4 \sin \frac{\alpha}{2} \sin \frac{\beta}{2} \sin \frac{\gamma}{2} + 1$$

és

$$\cos \alpha + \cos \beta - \cos \gamma = 4 \cos \frac{\alpha}{2} \cos \frac{\beta}{2} \sin \frac{\gamma}{2} - 1,$$

ha

$$\alpha + \beta + \gamma = 180^\circ.$$