

$$\begin{aligned}\beta' \text{ μέλος} &= \frac{1}{1+\sigma\varphi^2\theta} = \frac{1}{1+\left(\frac{\sigma\upsilon\nu\theta}{\eta\mu\theta}\right)^2} = \frac{1}{1+\frac{\sigma\upsilon\nu^2\theta}{\eta\mu^2\theta}} = \\ &= \frac{\eta\mu^2\theta}{\eta\mu^2\theta+\sigma\upsilon\nu^2\theta} = \frac{\eta\mu^2\theta}{1} = \eta\mu^2\theta = \\ &= \alpha' \text{ μέλος}\end{aligned}$$