

$$\begin{aligned}
 \alpha' \text{ μέλος} &= \frac{1 - 2\eta\mu\omega \cdot \sigma\upsilon\nu\omega}{\eta\mu^4\omega - \sigma\upsilon\nu^4\omega} = \frac{\eta\mu^2\omega + \sigma\upsilon\nu^2\omega - 2\eta\mu\omega \cdot \sigma\upsilon\nu\omega}{\eta\mu^4\omega - \sigma\upsilon\nu^4\omega} = \\
 &= \frac{(\eta\mu\omega - \sigma\upsilon\nu\omega)^2}{\eta\mu^4\omega - \sigma\upsilon\nu^4\omega} = \frac{(\eta\mu\omega - \sigma\upsilon\nu\omega)^2}{(\eta\mu^2\omega - \sigma\upsilon\nu^2\omega)(\eta\mu^2\omega + \sigma\upsilon\nu^2\omega)} = \\
 &= \frac{(\eta\mu\omega - \sigma\upsilon\nu\omega)^2}{\eta\mu^2\omega - \sigma\upsilon\nu^2\omega} = \frac{(\eta\mu\omega - \sigma\upsilon\nu\omega)^2}{(\eta\mu\omega - \sigma\upsilon\nu\omega)(\eta\mu\omega + \sigma\upsilon\nu\omega)} = \\
 &= \frac{\eta\mu\omega - \sigma\upsilon\nu\omega}{\eta\mu\omega + \sigma\upsilon\nu\omega} = \frac{\frac{\eta\mu\omega}{\eta\mu\omega} - \frac{\sigma\upsilon\nu\omega}{\eta\mu\omega}}{\frac{\eta\mu\omega}{\eta\mu\omega} + \frac{\sigma\upsilon\nu\omega}{\eta\mu\omega}} = \frac{1 - \sigma\varphi\omega}{1 + \sigma\varphi\omega} = \\
 &= \beta' \text{ μέλος}
 \end{aligned}$$