

$$\begin{aligned}
 \alpha' \text{ μέλος} &= \frac{\sigma\upsilon\nu^3\alpha}{\eta\mu\alpha} + \frac{\varepsilon\varphi\alpha}{1+\varepsilon\varphi^2\alpha} = \sigma\upsilon\nu^2\alpha \cdot \frac{\sigma\upsilon\nu\alpha}{\eta\mu\alpha} + \eta\mu^2\alpha \cdot \frac{\frac{1}{\eta\mu\alpha \cdot \sigma\upsilon\nu\alpha}}{1+\varepsilon\varphi^2\alpha} = \\
 &= \sigma\upsilon\nu^2\alpha \cdot \sigma\varphi\alpha + \eta\mu^2\alpha \cdot \frac{1}{\eta\mu\alpha \cdot \sigma\upsilon\nu\alpha(1+\varepsilon\varphi^2\alpha)} = \\
 &= \sigma\upsilon\nu^2\alpha \cdot \sigma\varphi\alpha + \eta\mu^2\alpha \cdot \frac{1}{\eta\mu\alpha \cdot \sigma\upsilon\nu\alpha + \eta\mu\alpha \cdot \sigma\upsilon\nu\alpha \cdot \frac{\eta\mu^2\alpha}{\sigma\upsilon\nu^2\alpha}} = \\
 &= \sigma\upsilon\nu^2\alpha \cdot \sigma\varphi\alpha + \eta\mu^2\alpha \cdot \frac{1}{\eta\mu\alpha \cdot \sigma\upsilon\nu\alpha + \frac{\eta\mu^3\alpha}{\sigma\upsilon\nu\alpha}} = \\
 &= \sigma\upsilon\nu^2\alpha \cdot \sigma\varphi\alpha + \eta\mu^2\alpha \cdot \frac{1}{\frac{\eta\mu\alpha \cdot \sigma\upsilon\nu^2\alpha + \eta\mu^3\alpha}{\sigma\upsilon\nu\alpha}} = \\
 &= \sigma\upsilon\nu^2\alpha \cdot \sigma\varphi\alpha + \eta\mu^2\alpha \cdot \frac{\sigma\upsilon\nu\alpha}{\eta\mu\alpha(\sigma\upsilon\nu^2\alpha + \eta\mu^2\alpha)} = \\
 &= \sigma\upsilon\nu^2\alpha \cdot \sigma\varphi\alpha + \eta\mu^2\alpha \cdot \frac{\sigma\upsilon\nu\alpha}{\eta\mu\alpha} = \sigma\upsilon\nu^2\alpha \cdot \sigma\varphi\alpha + \eta\mu^2\alpha \cdot \sigma\varphi\alpha = \\
 &= \sigma\varphi\alpha(\sigma\upsilon\nu^2\alpha + \eta\mu^2\alpha) = \sigma\varphi\alpha = \\
 &= \beta' \text{ μέλος}
 \end{aligned}$$