Inegalitate

$$Sa\ se\ arate\ ca\ oricare\ ar\ fi\ a, b, c \in R^x, \frac{a^2(a^2+2b^2)}{b^4}+\frac{b^2(b^2+2c^2)}{c^4}+\frac{c^2(c^2+2a^2)}{a^4} \geqslant 8.$$

Sa se arate ca oricare ar fi a,b,c in R^{x},
{a^{2}(a^{2}+2b^{2}) } over {b^{4}}
+{b^{2}(b^{2}+2c^{2}) } over {c^{4}}
+{c^{2}(c^{2}+2a^{2}) } over {a^{4}} geslant 8.