$$\frac{A}{\lambda_{1}} \cdot \frac{A}{\lambda_{2}} \cdot \frac{A}{\lambda_{3}} = \frac{A}{\lambda_{1}} \cdot \frac{A}{\lambda_{1}} \cdot \frac{A}{\lambda_{2}} \cdot \frac{A}{\lambda_{3}} \cdot \frac{A}{\lambda_{4}} \cdot \frac{A}{\lambda_{1}} \cdot$$

 $=\frac{\sqrt{2}}{2}\frac{\frac{2}{2}}{\left(\frac{2}{2}\lambda_{1}(\lambda_{1}-1)}{\left(\frac{2}{2}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}{2}\lambda_{1}\lambda_{1}}\right)}\frac{\sqrt{2}}{\left(\frac{2}\lambda_{1$

$$= \sum_{i=1}^{N} \frac{\lambda_{i}^{2} z_{i}^{2}}{\lambda_{i}^{2}} - \sum_{i=1}^{N} \frac{\lambda_{i} z_{i}^{2}}{\lambda_{i}^{2}} + \sum_{i=1}^{N} \frac{\lambda_{i}^{2}}{\lambda_{i}^{2}} \frac{(\frac{\lambda_{i}^{2}}{\lambda_{i}^{2}}) \lambda_{i} \lambda_{i}}{(\frac{\lambda_{i}^{2}}{\lambda_{i}^{2}})^{2}} - \sum_{i=1}^{N} \frac{\lambda_{i}^{2} z_{i}^{2}}{\lambda_{i}^{2}} \frac{\lambda_{i}^{2} z_{i}^{2}}{\lambda_{i}^{2}} \frac{(\frac{\lambda_{i}^{2}}{\lambda_{i}^{2}}) \lambda_{i} \lambda_{i}}{(\frac{\lambda_{i}^{2}}{\lambda_{i}^{2}})^{2}} - \sum_{i=1}^{N} \frac{\lambda_{i}^{2}}{\lambda_{i}^{2}} \frac{\lambda_{i}^{2}}{\lambda_{i}$$

·有:f(x,-, xn)为concave

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