$$\sum \frac{\left(x_{i}^{'T}Fx_{i}\right)^{2}}{\left(Fx_{i}\right)_{1}^{2}+\left(Fx_{i}\right)_{2}^{2}+\left(F^{T}x_{i}^{'}\right)_{1}^{2}+\left(F^{T}x_{i}^{'}\right)_{2}^{2}}$$