Schur RBZ

12:08 (Sour) X, Y, Z 30, r>0, 21)

$$\sum_{\text{cyc}} x^{r}(x-y)(x-\xi) > 0.$$

证明 医主为对部多级式、不好说 xxyxxx.

類引述が下列分裂: 養a,b,c,d 20, r>0, 知 る。 at(a-b)(a-c)(a-d) 20.

推论,有用的一二情形变流:

$$\Leftrightarrow \frac{\text{Sym}}{\text{Sym}} (xy3 + x^3) > 2 \frac{\text{Sym}}{\text{Sym}} x^3y$$

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推论 x, y, 3 30, 则

记时 Sehur + AM-GM

$$\Rightarrow 3xy3 + x^3 + y^3 + 3^3 > \sum_{ym} x^2y$$

$$= \sum_{y \in X} x^2y + xy^2 > \sum_{y \in X} 2(xy)^{\frac{3}{2}}.$$

创 a,b,c>o,就证:

理论 0<t=3, a,b,c>0, 有 $(3-t)+t(abc)^{\frac{1}{t}}+a^{\frac{1}{t}}+b^{\frac{1}{t}}+c^{\frac{1}{t}}>2(ab+bc+ca).$ (特別地, t=1,2, b 配件が入れ存入れ存入れ存入。
) 下記 $x=a^{23}$, $y=b^{23}$, $b=c^{23}$.

T記 $a=b^{23}$, $b=c^{23}$.

(a) a,b,c>o, abc=1.

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(3) 另附4道题, 见课程网页。