	$\cos^2$	$\sin^2$			
$\alpha = 9$	$\frac{1}{10}$	$\frac{9}{10}$	71^0	$33'$	$56''$
$\beta = \frac{3}{2}$	$\frac{2}{5}$	$\frac{3}{5}$	39	13	54
$\gamma = 2$	$\frac{1}{3}$	$\frac{2}{3}$	54	44	7
$\delta = 5$	$\frac{1}{6}$	$\frac{5}{6}$	65	54	19
$\varepsilon = \frac{1}{3}$	$\frac{3}{4}$	$\frac{1}{4}$	30	0	0

Schöne Gleichung

$$3+\alpha+\beta+\gamma+\delta+\varepsilon = \alpha\beta\gamma\delta\varepsilon = \sqrt{(1+\alpha)(1+\beta)(1+\gamma)(1+\delta)(1+\varepsilon)}$$

Der Inhalt des sphärischen Pentagons ist 360^0 weniger Summe der Seiten. Setzt man die Summe $= S$ und

$$(1+i\sqrt{\alpha})(1+i\sqrt{\beta})(1+i\sqrt{\gamma})(1+i\sqrt{\delta})(1+i\sqrt{\varepsilon}) = A+Bi$$

so wird:

$$A = \alpha\beta\gamma\delta\varepsilon . \cos S$$
$$B = \alpha\beta\gamma\delta\varepsilon . \sin S$$

[4.]

$$G(\alpha x+\beta y+\gamma z)^2 + G'(\alpha' x+\beta' y+\gamma' z)^2 + G''(\alpha'' x+\beta'' y+\gamma'' z)^2$$
$$= Axx+Byy+Czz+2ayz+2bxz+2cxy$$

$$\begin{aligned} (A-G)\alpha + \quad c\beta + \quad b\gamma &= 0 \\ c\alpha + (B-G)\beta + \quad a\gamma &= 0 \\ b\alpha + \quad a\beta + (C-G)\gamma &= 0 \end{aligned}$$

$$\{a(A-G)-bc\}\alpha = \{b(B-G)-ac\}\beta = \{c(C-G)-ab\}\gamma$$

$$\frac{bc}{a(A-G)-bc} + \frac{ac}{b(B-G)-ac} + \frac{ab}{c(C-G)-ab} + 1 = 0$$

$$(A-G)(B-G)(C-G) + 2abc = aa(A-G) + bb(B-G) + cc(C-G)$$

$$\alpha\alpha = \frac{1}{1+\left(\frac{a(A-G)-bc}{b(B-G)-ac}\right)^2 + \left(\frac{a(A-G)-bc}{c(C-G)-ab}\right)^2}$$