

$\mathfrak{T}^*$ -geodesic, α geodesic's azimuth. $\neg \infty \rightarrow \langle p_1$ Egyptian, $m_1 = 1 \vee m_0 = 1 \rangle$, if no $*$ -projection; no constriction $\rightarrow p_1 = 0$; no "Hohlkosmos-Seitenwechsel" $\rightarrow m_1 = 1 \wedge m_0 > 2$.

Computation.

$$\begin{aligned} t_0(\varrho, C_1; \beta_0^*) &= \tau_0^{\langle +, - \rangle^1}; & t_{1,2,3,4}(\varrho, C_1) &= \tau_{1,2,3}^{\langle +, - \rangle^1}, \tau_4^{\langle +, - \rangle}; & t_5(\varrho) &= 2\varrho/(1 - \varrho^2)^{1/2}. \\ \tau_0^{-1} &= \frac{1}{2}\tau_7\tau_6/\tau_5, & \tau_1^{-1} &= 4\varrho C_1/(\tau_7\tau_8), & \tau_2^{-1} &= \frac{1}{2}(1 + \tau_3^{-1}), \\ \tau_3^{-1} &= C_1/(1 - \varrho) = \sin \alpha_{\max}, & \tau_4^{-1} &= 2\varrho/(\tau_7\tau_8)^{1/2}. \\ \tau_4^+ &= (\varrho C_1)^{1/2}/(1 - \varrho); & \tau_5 &= 1 + \varrho \cos \beta_0^* - C_1, & \tau_6 &= 1 + \cos \beta_0^*, \\ \tau_7 &= 1 + \varrho - C_1, & \tau_8 &= 1 - \varrho + C_1. \end{aligned}$$

Practicable result:

$$\begin{aligned} Q(\varrho, C_1) &= t_3 t_4 K(k) - t_5(K(k)E(k, \Phi) - E(k)F(k, \Phi)) \leftarrow k^2 = t_1 \wedge \sin^2 \Phi = t_2; \\ G(\varrho; C_1; 1; \beta_0^*) &= t_4(F(k, \varphi) - (1 - t_3)\Pi(N, k, \varphi)) \leftarrow \sin^2 \varphi = t_0 \wedge -N = t_1 t_2 = (k \sin \Phi)^2, \\ t_4(1 - t_3)\Pi(N, k, \varphi) &= t_5(u\vartheta'_1(U)/\vartheta_1(U) - \frac{1}{2}\ln(\vartheta(U + u)/\vartheta(U - u))) \\ \leftarrow u: U: x/2 &= F(k, \varphi): F(k, \Phi): K(k) \wedge q = \exp(-\pi K'/K). \end{aligned}$$

ADDENDA. (ii)(iii) $P_0 = r_0, P_{n+1} = r_{n+1} + P_n \cos \beta_n$; see l.c. [5, 3.], XLII, p. 478.

(vi) *Computation.* As to 2nd $\langle \rangle$ -case (with $^{-1}, -$) see l.c. [8, 4.1.1], XLVI, pp. 444/5. $u = \lim \varphi_v: \varphi_0 = \varphi$, $k_0 = k, k_{v+1} = (1 - k'_v)/(1 + k'_v)$,

$$\sin \varphi_{v+1} = (1 - \Delta_v)/((1 - k'_v) \sin \varphi_v)$$

or

$$\tan^2 \varphi_{v+1} = \tan^2 \varphi_v \cdot \tau_9(k'_v, \Delta_v)/\tau_9(1, \Delta_v),$$

where $k_v^2 + k'_v{}^2 = 1$, $\Delta_v^2 = 1 - k_v^2 \sin^2 \varphi_v$, and $\tau_9(k, c) = (k + c)/(1 + c)$.

$$\vartheta(z) = \sum_v T(v; z, q), \quad T(v) = (-1)^v q^{vv} \exp(2v iz), \quad i^2 = -1;$$

$$\sum_v^+ T(v + \frac{1}{2}; z, q) = iq^{1/4} \exp(iz) \vartheta(z + \frac{1}{2}i \ln q^{-1}) = -\vartheta_1(z), \quad \vartheta'_1(z) = d\vartheta_1/dz.$$

$K' = K(k')$, $K = K(k) = F(k, \pi/2)$; $(F, E)(k, \varphi) = {}_0^{\circ} \int \Delta(k, \psi)^{(-1, +1)} d\psi$, $E(k) = E(k, \pi/2)$. $K': K: \pi/2 = 1/M(1, k): 1/M(1, k'): 1$, where M is the arithmetico-geometric mean.