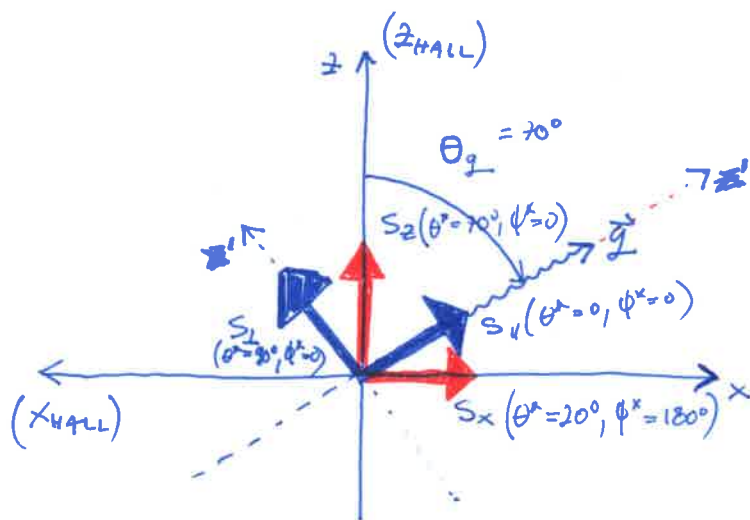


09/20/11

$$A = - \frac{2\tau v_{T1} \cos \theta^* G_M^{P2} - 2\sqrt{2\tau(1+\tau)} v_{TL} \sin \theta^* \cos \phi^* G_M^P G_E^P}{(1+\tau) v_L G_E^{P2} + 2\tau v_T G_M^{P2}}$$

↑
Elettrodinamica
cosmetologica



θ^* je leat med optikama in \vec{y} :

① $A_{||}$: $\theta^* = 0$: $A_{||} = - \frac{2\tau v_{T1} \cos 0 G_M^{P2} - 0}{(1+\tau) v_L G_E^{P2} + 2\tau v_T (G_M^P)^2}$

$$A_{||} = - \frac{2\tau v_{T1} G_M^{P2}}{(1+\tau) v_L G_E^{P2} + 2\tau v_T (G_M^P)^2}$$

② A_{\perp} : $\theta^* = 90, \phi^* = 0$: $A_{\perp} = - \frac{0 - 2\sqrt{2\tau(1+\tau)} v_{TL} \sin 90 \cos 0 G_M^P G_E^P}{(1+\tau) v_L G_E^{P2} + 2\tau v_T G_M^{P2}}$

$$A_{\perp} = + \frac{2\sqrt{2\tau(1+\tau)} v_{TL} G_M^P G_E^P}{(1+\tau) v_L G_E^{P2} + 2\tau v_T (G_M^P)^2}$$

$$\frac{A_{\perp}}{A_{||}} = \frac{2\sqrt{2\tau(1+\tau)} v_{TL} G_M^P G_E^P}{-2\tau v_{T1} G_M^{P2}} = - \frac{G_E^P}{G_M^P} \sqrt{\frac{2(1+\tau)}{\tau} \frac{v_{TL}}{v_{T1}}}$$

A_x : $\theta^* = 20^\circ, \phi^* = 180^\circ$:

$$A_x = - \frac{2\tau v_T' \cos(20^\circ) G_M^{P2} - 2 \sqrt{2\tau(1+\tau)} v_{Ti'} \cos(20^\circ) \cos(180^\circ) G_M^P G_E^P}{(1+\tau) v_L G_E^{P2} + 2\tau v_T G_M^{P2}}$$

$$= - \frac{2\tau v_T' (\cos(20^\circ)) G_M^{P2} + 2 \sqrt{2\tau(1+\tau)} v_{Ti'} (\cos(20^\circ)) G_M^P G_E^P}{(1+\tau) v_L G_E^{P2} + 2\tau v_T G_M^{P2}}$$

$$= + A_{||} \cos(20^\circ) - A_{\perp} \cdot \cos(20^\circ)$$

A_z : $\theta^* = 70^\circ, \phi^* = 0^\circ$

$$A_z = - \frac{2\tau v_T' \cos(70^\circ) G_M^{P2} - 2 \sqrt{2\tau(1+\tau)} v_{Ti'} \cos(70^\circ) \cos(0^\circ) G_M^P G_E^P}{(1+\tau) v_L (G_E^P)^2 + 2\tau v_T (G_M^P)^2}$$

$$= - \frac{2\tau v_T' \cos(70^\circ) G_M^{P2} - 2 \sqrt{2\tau(1+\tau)} v_{Ti'} \cos(70^\circ) G_M^P G_E^P}{(1+\tau) v_L (G_E^P)^2 + 2\tau v_T (G_M^P)^2}$$

$$\cos \varphi = \cos(\frac{\pi}{2} - \varphi)$$

$$\sin \varphi = \sin(\frac{\pi}{2} - \varphi)$$

$$\left. \begin{aligned} \cos(70) &= \sin(20) \\ \sin(70) &= \cos(20) \end{aligned} \right\}$$

$$= - \frac{2\tau v_T' (\sin(20^\circ)) G_M^{P2} - 2 \sqrt{2\tau(1+\tau)} v_{Ti'} (\cos(20^\circ)) G_M^P G_E^P}{(1+\tau) v_L (G_E^P)^2 + 2\tau v_T (G_M^P)^2}$$

$$= \underline{\underline{A_{||} \cdot \sin(20^\circ) + A_{\perp} \cos(20^\circ)}}$$

$$A_x = A_{||} \cos(20^\circ) - A_{\perp} \sin(20^\circ)$$

$$A_z = A_{||} \sin(20^\circ) + A_{\perp} \cos(20^\circ)$$

$$\begin{pmatrix} A_x \\ A_z \end{pmatrix} = \begin{pmatrix} \cos(20^\circ) & -\sin(20^\circ) \\ \sin(20^\circ) & \cos(20^\circ) \end{pmatrix} \begin{pmatrix} A_{||} \\ A_{\perp} \end{pmatrix}$$

↓ inversa matrice

$$\begin{pmatrix} A_{||} \\ A_{\perp} \end{pmatrix} = \begin{pmatrix} \cos(20^\circ) & \sin(20^\circ) \\ -\sin(20^\circ) & \cos(20^\circ) \end{pmatrix} \begin{pmatrix} A_x \\ A_z \end{pmatrix}$$

$$R_L = (1 + \tau) G_E^2$$

$$R_T = 2\tau G_M^2$$

$$R_{T'} = 2\tau G_M^2$$

$$R_{T''} = 2 \sqrt{2\tau(1+\tau)} G_M G_E$$

$$\tau = \frac{-Q^2}{4M^2} \rightarrow \text{Darmmely}$$

$$\tau_{\text{ce}} = \frac{Q^2}{4M^2}$$

Talale nua G_E vpljeva τ .

Haiyan nua ista definicija.

Oni pod pogoji $Q^2 > 0$,
zato nua bito τ brez(-).

Darmmely pa je vzel $Q^2 < 0$,
zato je (-).

Tu pa ne vpljeva na
podzelo v cosmetropu!