

$$(x_1 - x_Q)^2 + (y_1 - y_Q)^2 + (z_1 - z_Q)^2 = c^2 \cdot (t_1 - t_Q)^2$$

$$(x_2 - x_Q)^2 + (y_2 - y_Q)^2 + (z_2 - z_Q)^2 = c^2 \cdot (t_2 - t_Q)^2$$

$$(x_3 - x_Q)^2 + (y_3 - y_Q)^2 + (z_3 - z_Q)^2 = c^2 \cdot (t_3 - t_Q)^2$$

$$(x_4 - x_Q)^2 + (y_4 - y_Q)^2 + (z_4 - z_Q)^2 = c^2 \cdot (t_4 - t_Q)^2$$

$$(x_Q; y_Q; z_Q) \rightarrow (\varphi; \lambda; h) \quad t_Q \rightarrow t$$

$$(x_k - x_Q)^2 + (y_k - y_Q)^2 + (z_k - z_Q)^2 = s^2 = c^2 \cdot (t_k - t_Q)^2$$