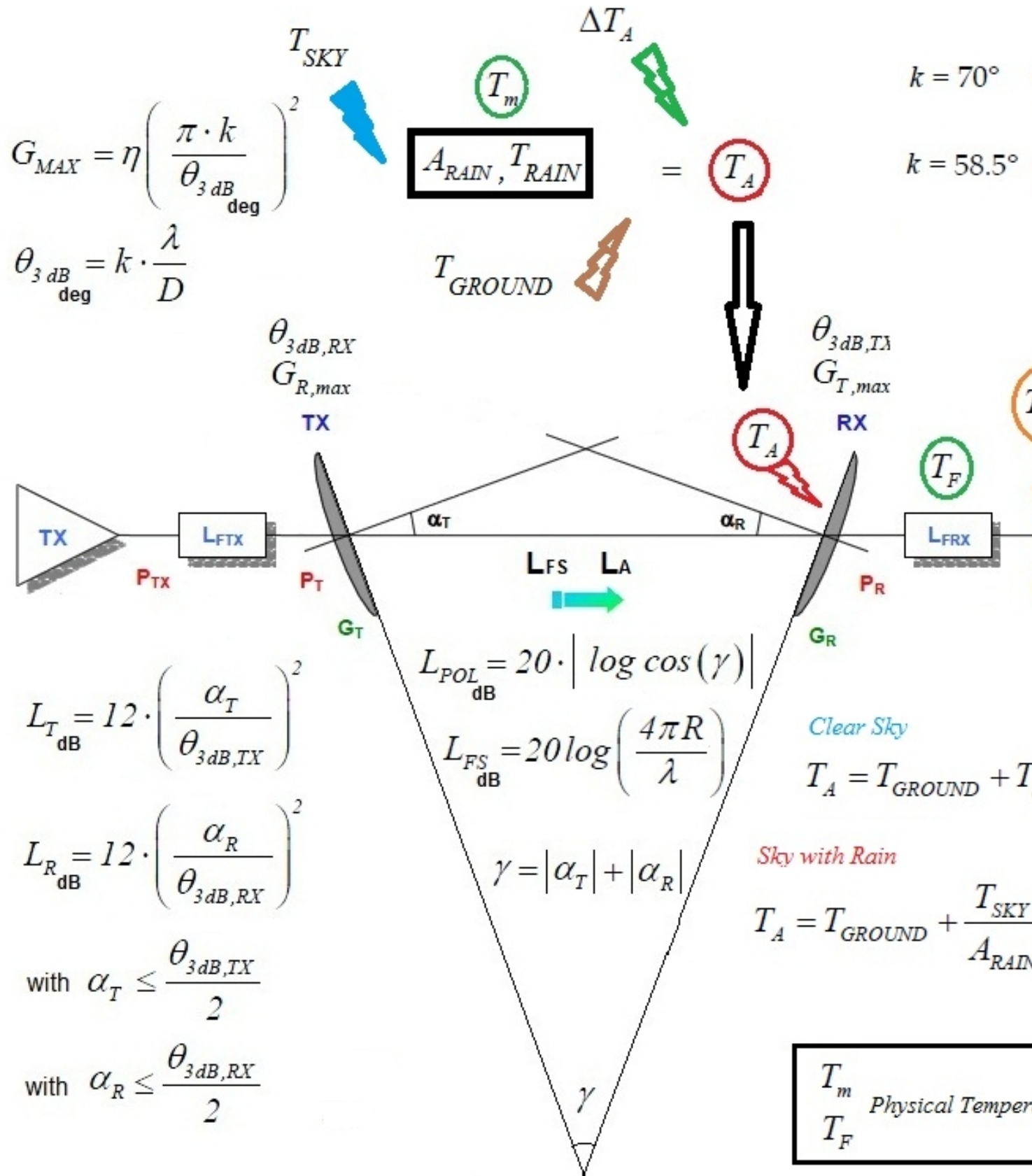


In this figure all the equations to compute a power link budget between an Earth Base and Space Satellite are provided:

Earth Base - Space Satellite Link Budget

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$$T_{FRX} = (L_{FRX} - 1) T_F \quad T_{RX} = (F_{RX} - 1) T_0 \quad T_{RAIN} = (A_{RAIN} - 1) T_m$$

$$T_{SYS} = \frac{T_A + T_{FRX}}{L_{FRX}} + T_{RX} - \frac{T_A}{L_{FRX}} + \left(1 - \frac{1}{L_{FRX}} \right) \cdot T_F + T_{RX}$$

Earth Base - Space Satellite Link Budget

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