

Our MATLAB / Python naming conventions

Greek letters

delta $\implies \delta$

Delta $\implies \Delta$

nu $\implies \nu$

tau $\implies \tau$

phi $\implies \phi$

Phi $\implies \Phi$

omega $\implies \omega$

Omega $\implies \Omega$

GPS Position Assignment

C_us $\implies \mathbf{C}_{us}$

C_rs $\implies \mathbf{C}_{rs}$

C_is $\implies \mathbf{C}_{is}$

C_uc $\implies \mathbf{C}_{uc}$

C_rc $\implies \mathbf{C}_{rc}$

C_ic $\implies \mathbf{C}_{ic}$

delta_n $\implies \Delta n$

M_0 $\implies \mathbf{M}_0 \quad (M^{(k)} = M_0 + n(t - t_{oe}))$

e $\implies \mathbf{e}$

ephdata.sqrt_a $\implies \sqrt{A}$

t_oe $\implies t_{oe} \quad (M^{(k)} = M_0 + n(t - t_{oe}))$

Omega_0 $\implies \Omega_0 \quad (\Omega_{er} = \Omega_0 - \dot{\Omega}_e t)$

i_0 $\implies \mathbf{i}_0$

omega $\implies \omega$

Omegadot $\implies \dot{\Omega}$

idot $\implies \mathbf{IDOT}$

mu_e $\implies \mu$

gpsc.Omega_dot_e $\implies \dot{\Omega}_e \quad (\Omega_{er} = \Omega_0 - \dot{\Omega}_e t)$

a_s $\implies \mathbf{A}$

n_0 $\implies \mathbf{n}_0$

t_k $\implies t_k$

n $\implies \mathbf{n}$

M_k $\implies \mathbf{M}_k$

nu_k $\implies \mathbf{v}_k$

E_k $\implies E_k \quad (M^{(k)} = E^{(k)} - e \sin E^{(k)})$

Phi_k $\implies \Phi_k$

delta_u_k $\implies \delta \mathbf{u}_k$

delta_r_k $\implies \delta \mathbf{r}_k$

delta_i_k $\implies \delta \mathbf{i}_k$

u_k $\implies \mathbf{u}_k$

r_k $\implies \mathbf{r}_k$

i_k $\implies \mathbf{i}_k$

x_k_prim $\implies \mathbf{x}_k'$

y_k_prim $\implies \mathbf{y}_k'$

Omega_k $\implies \Omega_k$

x_k $\implies \mathbf{x}_k$

y_k $\implies \mathbf{y}_k$

z_k $\implies \mathbf{z}_k$

t $\implies \mathbf{t}$

Delta_t_SV $\implies \Delta t_{sv}$

a_f0 $\implies \mathbf{a}_{f0}$

a_f1 $\implies \mathbf{a}_{f1}$

a_f2 $\implies \mathbf{a}_{f2}$

t_oc $\implies t_{oc}$

Delta_t_r $\implies \Delta t_r$

F $\implies \mathbf{F}$

T_GD $\implies \mathbf{T}_{GD}$

Delta_t_SV_L1PY $\implies (\Delta t_{sv})_{L1P(Y)}$

t_tr $\implies t_{tr}$ (time when subframe is supposed to be transmitted)