

GLOSARIUM

C_φ = Kekakuan Manuver (*Cornering Stiffness*) [N/rad]

c_s = Konstanta Redaman Suspensi [Ns/m]

d = Diameter ARB [mm]

E = Modulus Elastisitas [Pa]

F = Gaya Bekerja [N]

f_A = Defleksi pada titik A pada ARB [mm]

g = Konstanta Gravitasi [m/s^2]

I = Momentum Inersia ARB [mm^4]

I_{xx} = Momentum Inersia pada Sumbu-x [kgm^2]

k_{arb} = *roll rate* ARB [mm/rad]

k_s = Kekakuan Pegas Suspensi [N/m]

k_φ = Kekakuan *Roll* [Nm/rad]

l_{arb} = Panjang ARB [m]

m = Massa Mobil [Kg]

P = Muatan pada Ujung ARB [N]

r_{arb} = Panjang lengan (*lever*) ARB [m]

S_{max} = Stres Maksimal ARB [Pa]

wb = Panjang Poros Roda [m]

Δh = Jarak CG - RC [m]

γ = Sudut Putar ARB [rad]

ω_0 = Frekuensi Natural [Hz]

φ = Sudut *Roll* [rad]

$\dot{\varphi}$ = Laju *Roll* [rad/s]

$\ddot{\varphi}$ = Akselerasi *Roll* [rad/s^2]

ζ = Rasio Redaman [$-$]