Week 1 – Intro

(a,b) = open interval of reals between a and b

[a,b] = closed interval of reals between a and b

[a,b) or (a,b] = half-open interval of reals between a and b

Open = where the range does not include the end points

Closed = where the range includes the end points

[3,7) = greater than or equal to 3, less than 7

Angle lowercase Greek αi, φ, ρ, η, γ242, θ

Scalar lowercase italic a, b, t, uk, v, wij

vector or point lowercase bold a, u, vs h(ρ), hz

matrix capital bold T(t), X, Rx(ρ)

plane π: a vector and π: n · x + d = 0,  
a scalar π1: n1 · x + d1 = 0

triangle 43 points 4v0v1v2, 4cba

line segment two points uv, aibj

geometric entity capital italic AOBB, T, BAABB