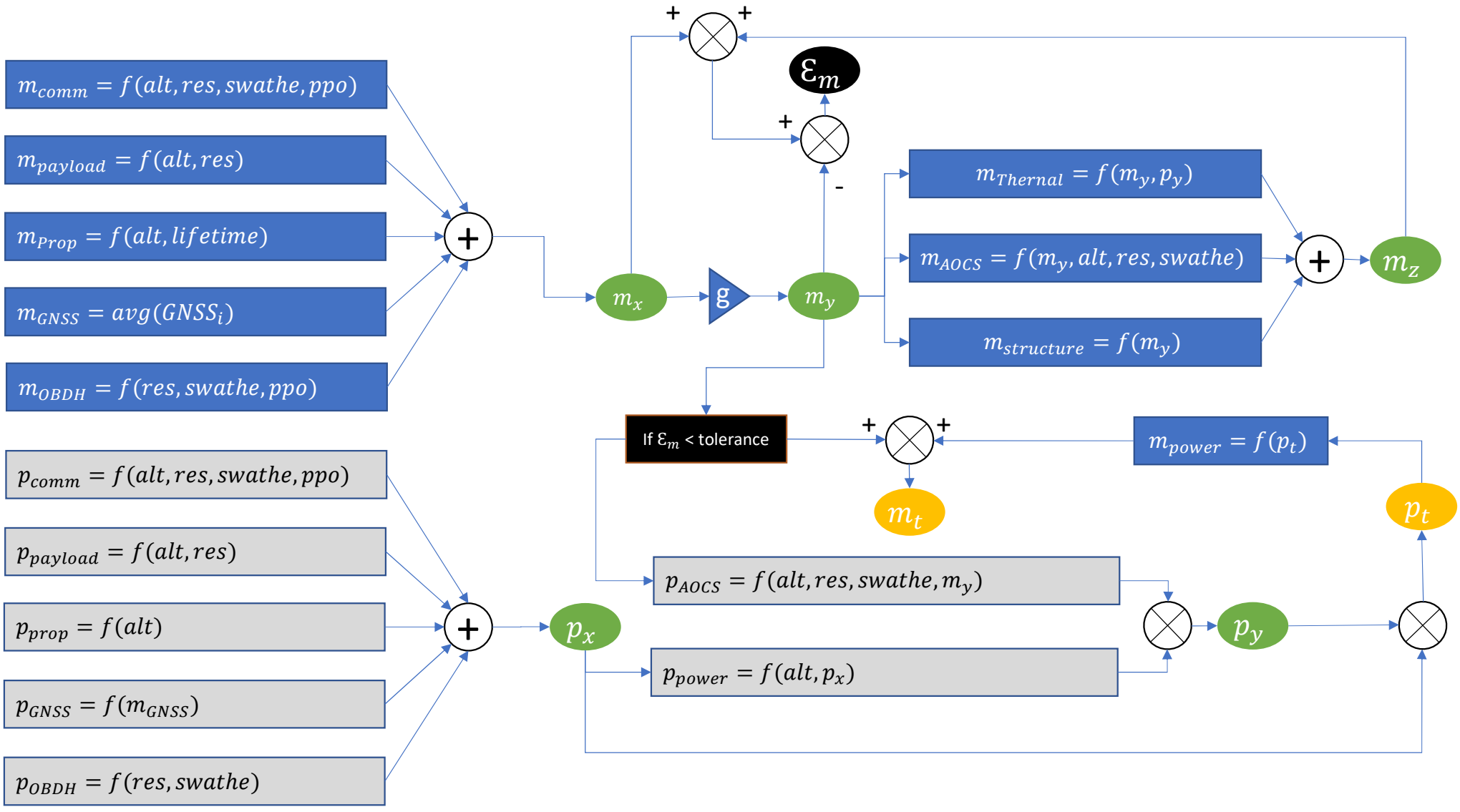
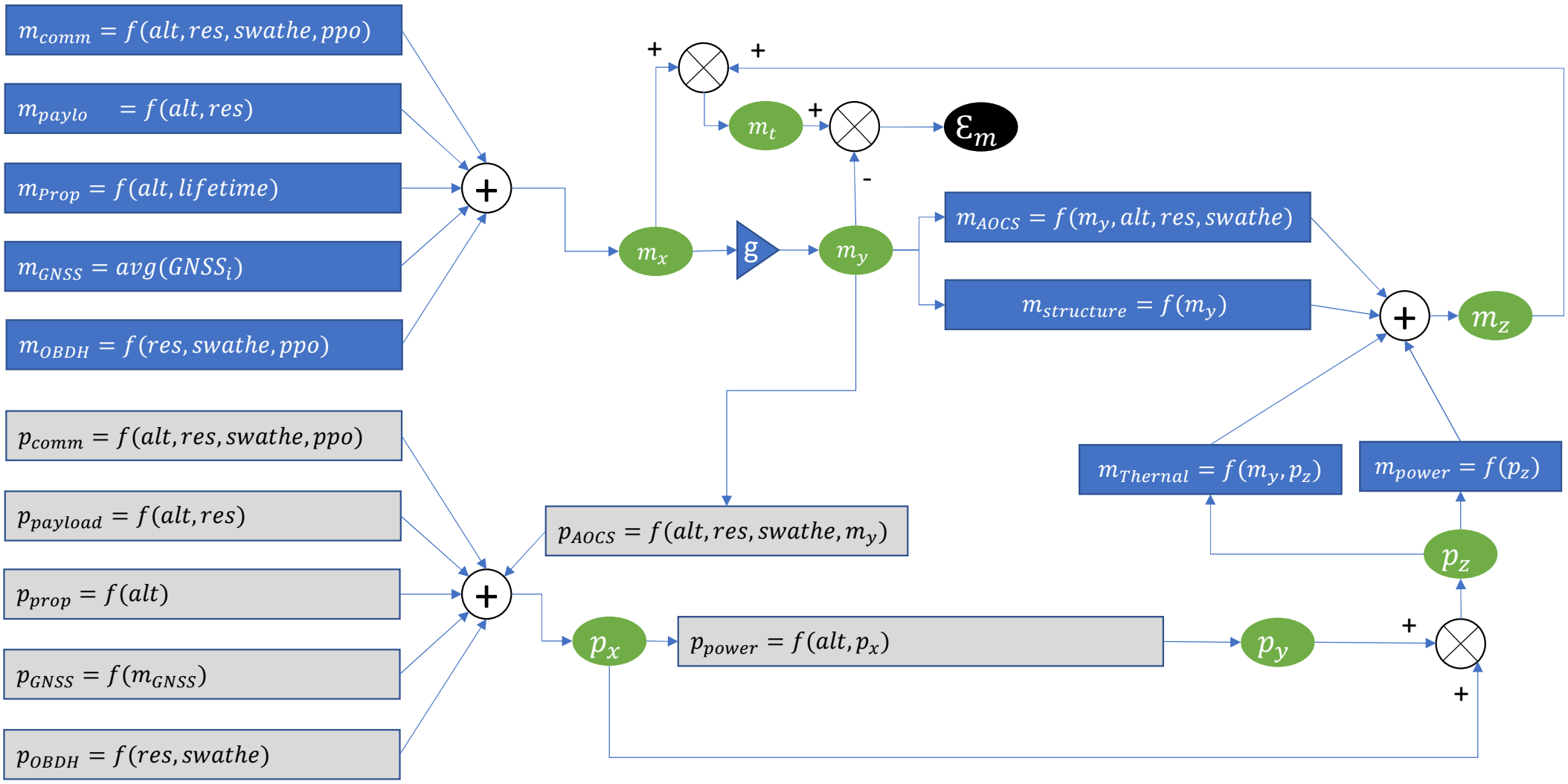
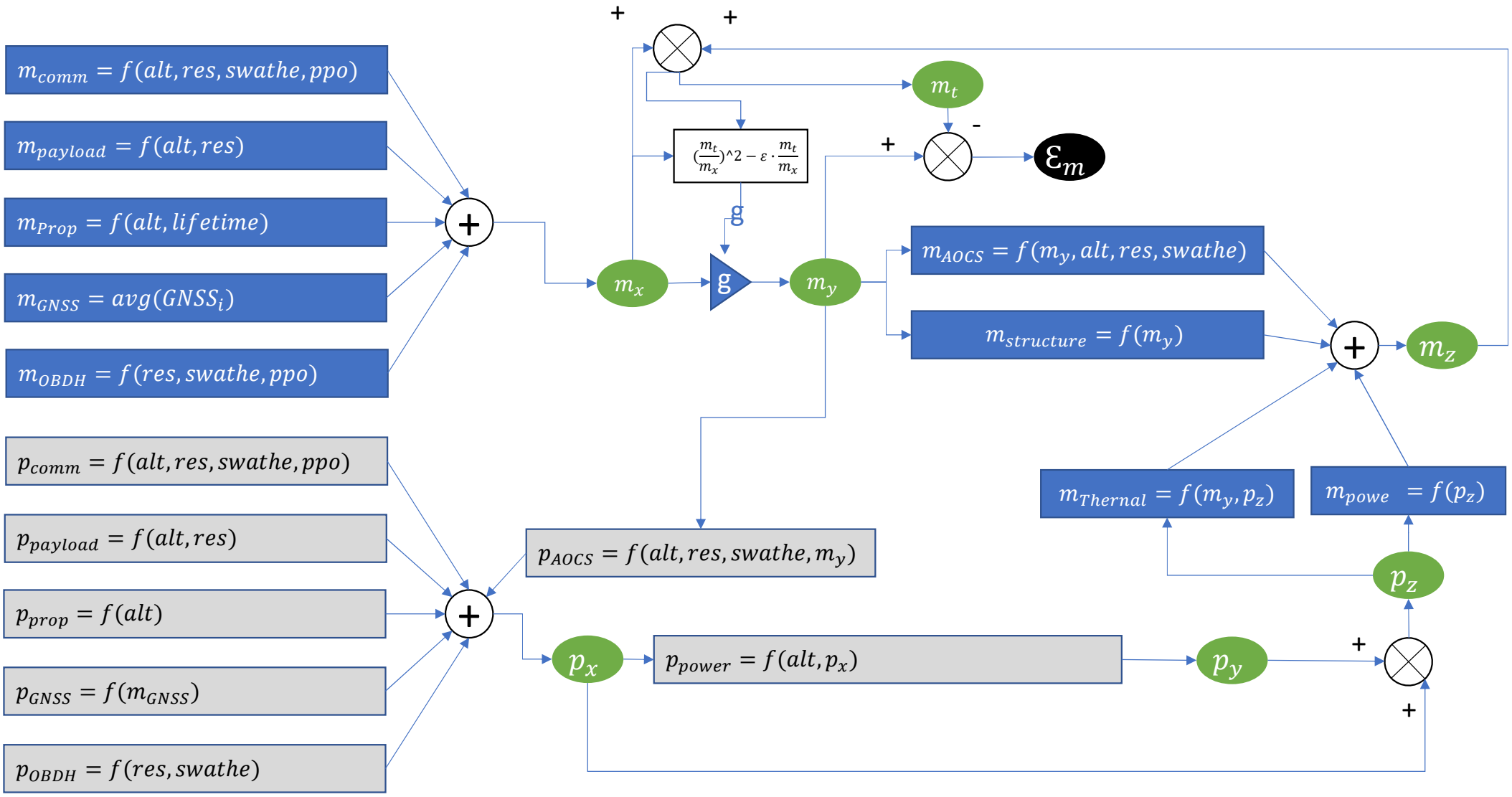

$m_{comm} = f(alt, res, swathe, ppo)$
$m_{payload} = f(alt, res)$
$m_{Prop} = f(alt, lifetime)$
$m_{GNSS} = avg(GNSS_i)$
$m_{OBDH} = f(res, swathe, ppo)$
$p_{comm} = f(alt, res, swathe, ppo)$
$p_{payload} = f(alt, res)$
$p_{prop} = f(alt)$
$p_{GNSS} = f(m_{GNSS})$
$p_{OBDH} = f(res, swathe)$
m_x
g
m_y
ε_m
$m_{Thernal} = f(m_y, p_y)$
$m_{AOCS} = f(m_y, alt, res, swathe)$
$m_{structure} = f(m_y)$
m_z
If ε_m < tolerance
m_t
$m_{power} = f(p_t)$
p_t
p_x
$p_{AOCS} = f(alt, res, swathe, m_y)$
$p_{power} = f(alt, p_x)$
p_y

Sizing_tool_V4.5



Sizing_tool_V5