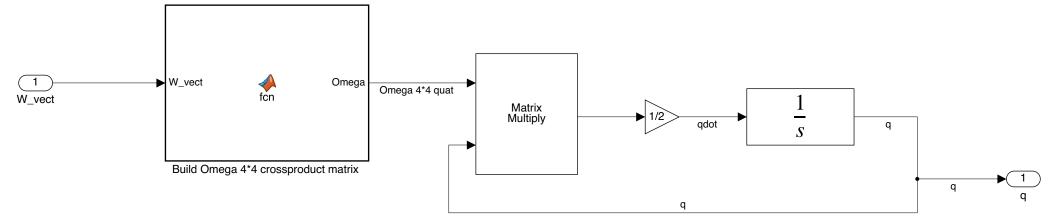
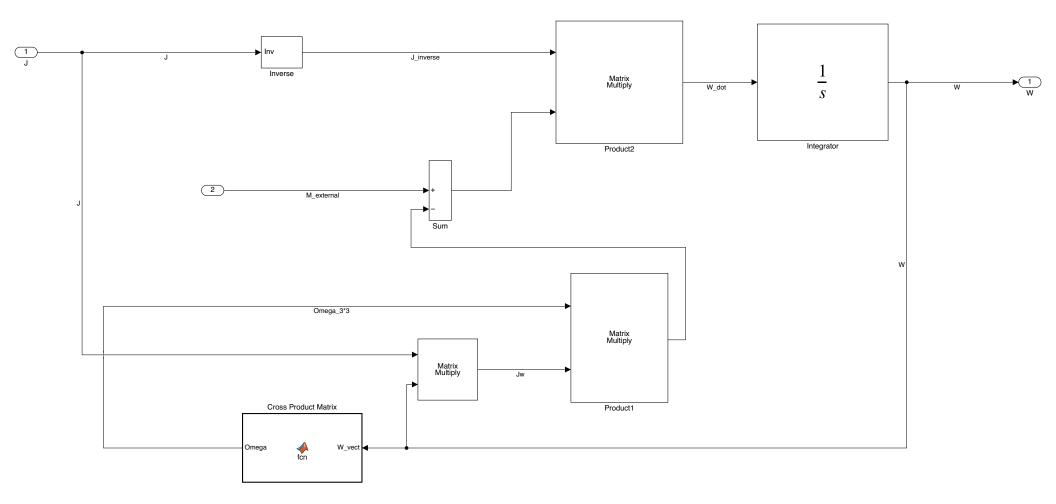


```
function [Vinf,alpha,beta]= fcn(V_BN)
alpha = atan2(V_BN(3),V_BN(1));
u = norm(V_BN);
X = V_BN(2)/u;
beta = asin(X);
Vinf = u;
```

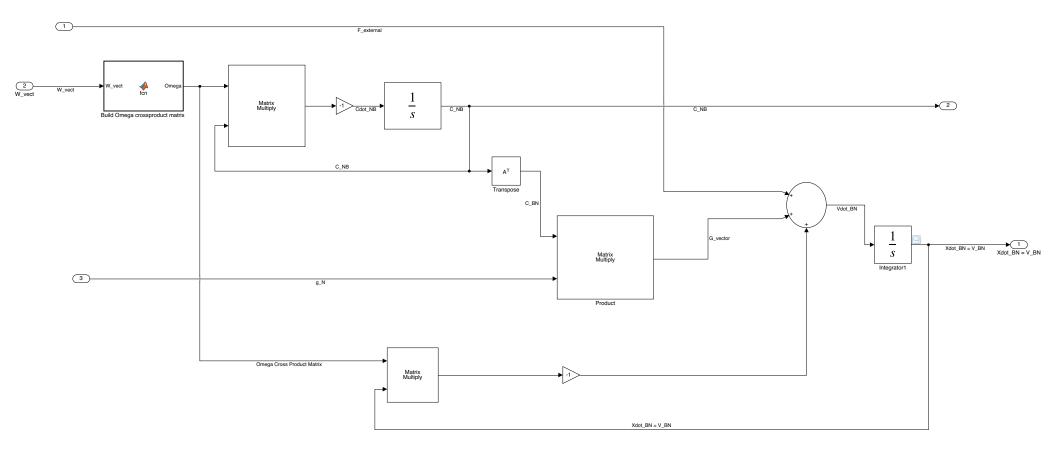




```
function Omega = fcn(W_vect)

p = W_vect(1);
q = W_vect(2);
r = W_vect(3);

Omega = [0 -r q;
    r 0 -p;
    -q p 0];
```



```
function Omega = fcn(W_vect)

p = W_vect(1);
q = W_vect(2);
r = W_vect(3);

Omega = [0 -r q;
    r 0 -p;
    -q p 0];
```

