

Propeller Analysis Code

There is a propeller analysis code at Purdue created by Professor Sullivan and his students. To obtain the FORTRAN code that performs propeller analysis log into ecn and do the following:

```
cp /home/roger/g/aerodyn/AAE515/propeller/gold.f gold.f
```

To get a sample data deck type:

```
cp /home/roger/g/aerodyn/AAE515/propeller/prop.dat  
prop.dat
```

To compile the program

```
f77 gold.f  
mv a.out gold
```

To run program gold type

```
gold
```

For questions read the FORTRAN code or see Professor Sullivan.

Useful references:

Barnes W. McCormick, Aerodynamics, Aeronautics, and Flight Mechanics, John Wiley and Sons, 1979, Chapter 6.

Daniel Dommasch, Sidney Sherry and Thoman Connolly, Airplanr Aerodynamics, Pitnam Publishing Corporation, New York, 1967, Chapter 7.

Martin Simons, Model Aircraft Aerodynamics, Argus Books, Herts, England, 1994, Chapter 14.