## NON-LINEAR OPTIMIZATION

## Routine nlm ()

- Given a function of a vector of variables, finds the values of those variables that minimize the function.
- I used this, for example, to find wind and TAS from the circle maneuvers, varying the three variables TAS, east and north component of the wind, to find the minimum deviation from the GPS ground track.
- This can also be used for finding a maximum, so can be used with the method of maximum likelihood.