

```
function cruiseT = cruise_thrust(aircraft,LtoD)
% CRUISE_THRUST Thrust required at cruise conditions
% Inputs are:
% aircraft :a struct aircraft data in SI
% LtoD      :a numeric array of Mx1 aircraft lift to drag ratio
%
% Outputs are:
% cruiseT   :a numeric array of Mx1 cruise thrust in N

arguments
    aircraft {mustBeA(aircraft,"struct")}
    LtoD (:,1) {mustBeNumeric, mustBeReal}
end

W = aircraft.W;

cruiseT = W./LtoD;
end
```