```matlab
function [T,P,rho] = stdatm(h)
% STDATM Atmospheric properties based on ISA
%   Inputs are:
%   h       :a numeric array of 1xN geopotential altitude in m
%
%   Outputs are:
%   T       :a numeric array of 1xN air temperature in K
%   P       :a numeric array of 1xN air pressure in Pa
%   rho     :a numeric array of 1xN air density in kg/m^3

    arguments
        h (1,:) {mustBeNumeric, mustBeReal}
    end

    [T,P,rho] = deal(zeros(length(h),1));
    for i = 1:length(h)
        if h(i) <= 11000
            T(i) = 288.16 + (-6.5e-3).*h(i);
            P(i) = 101.32e3.*(T(i)./288.16).^((-9.81)./((-6.5e-3).*287));
            rho(i) = 1.225.*(T(i)./288.16).^(-1-((9.81)./((-6.5e-3).*287)));
        elseif h(i) <=25000
            T(i) = 216.66;
            P(i) = 22.346.*exp((-9.81.*(h(i)-11000))./(287.*T(i)));
            rho(i) = 0.3642.*exp((-9.81.*(h(i)-11000))./(287.*T(i)));
        end
    end
end
```