
```
function ret = chebyshev(val, f, n)
% Inputs:
% val: x value for approximating f(x)
% f: function used to generate data for approximation f(val)
% n: degree of polynomial
%
% Output:
% ret = approximation of f(val)

% Formula for generating values of x for chebyshev nodes
g = @(k) -5*cos(((2*k-1)/(2*n))*pi);

% Generate x and y values such that xi = g(i) and yi = f(xi)
x = ones(1, n);
y = ones(1, n);
for i = 1:n
    x(i) = g(i);
    y(i) = f(x(i));
end

% Approximate f(val) given the generated Chebyshev nodes
ret = neville(val, x, y, n);

end

Not enough input arguments.

Error in chebyshev (line 11)
g = @(k) -5*cos(((2*k-1)/(2*n))*pi);
```

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