

```

function correctedMTF = correctMTF(data,freq_pix)
    sz = size(data);
    x_len = sz(1);
    y_len = sz(2);
    d = 0.035; %in mm
    newdata = zeros(x_len,y_len);
    for i = 1:x_len
        for j = 1:y_len
            r = sqrt((freq_pix*(i-21))^2 + (freq_pix*(j-21))^2);
            newdata(i,j) = data(i,j)/((2*besselj(1,pi*d*r))/(pi*d*r));
        end
    end
    disp(data(21,21))
    newdata(21,21) = data(21:21);
    correctedMTF = newdata;
end

```