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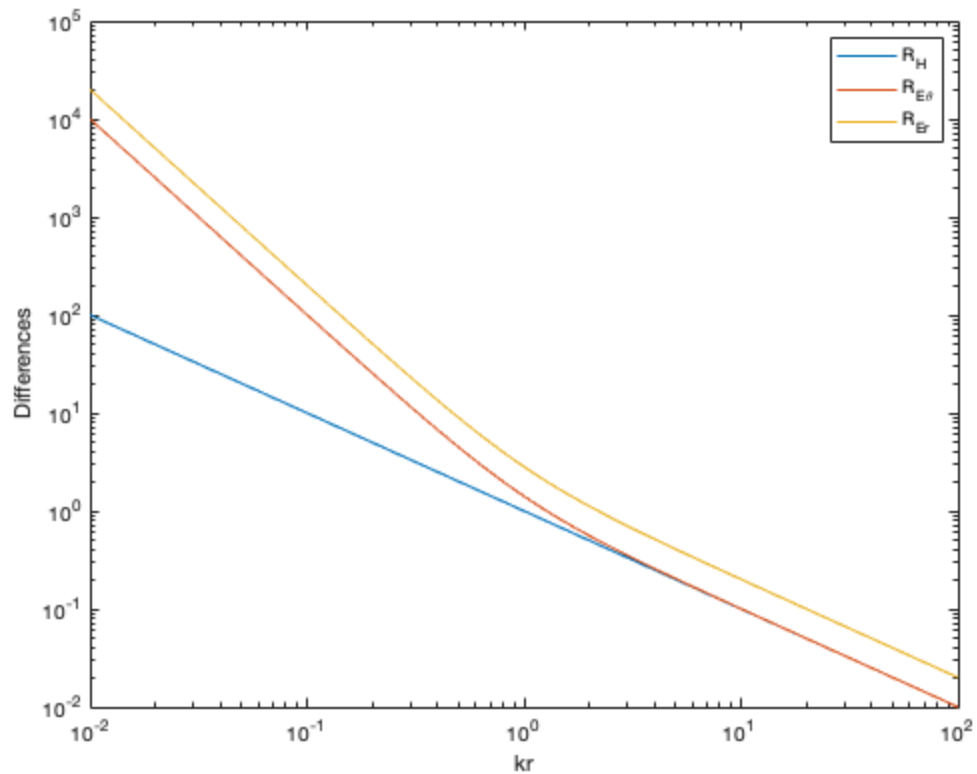
```
% ECE 6370 - Homework 2
% Caitlyn Caggia
```

```
clear all; close all;
```

```
kr = logspace(-2,2,250);
theta = 45;
```

```
RH = abs(1./kr);
REtheta = abs( 1./(j*kr) + 1./(j*kr).^2 );
REr = abs( (2./(j*kr) + 2./(j*kr).^2 ) * (cosd(theta)/sind(theta)) );
```

```
loglog(kr, RH, kr, REtheta, kr, REr)
ylabel('Differences')
xlabel('kr')
legend('R_H', 'R_{E\theta}', 'R_{Er}')
```



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