

Comparación resultados Teóricos y Simulados Escenario 11

Resultados de simulación sin Obstáculos densidad baja $\lambda = 1$

```
%Promedio PDR
%Filas Densidad de menos a mas, columnas Beaconing 1,2,5 y 10 Hz

PDR_MEAN(1,:) = [[0.987460024253519], [0.9835566890077614], [0.9530601608151577], [0.835220377...

%Promedio CBR:
CBR_MEAN(1,:) = [[0.06434224419620226], [0.1283958646450102], [0.31419824490679], [0.574706786...

%STD PDR:
PDR_STD(1,:) = [[0.002894612324748823], [0.004128622274483598], [0.006851882018366749], [0.017...

%STD CBR:
CBR_STD(1,:) = [[0.0003352362990634571], [0.0006996883072163453], [0.001956066467237026], [0.0...
```

Resultados de modelo teórico

```
PDR_T = base_PDR_results; %(1,:); %[0.9819 0.9775 0.9641 0.9419];
CBR_T = base_CBR_results; %(1,:);
VAP_T = [1-(1-PDR_T(:,1)).^1 1-(1-PDR_T(:,2)).^2 1-(1-PDR_T(:,3)).^3 1-(1-PDR_T(:,4)).^3];
```

Resultados de simulación con obstáculos

```
% PDR Con obstáculos
PDR2_MEAN(1,:) = [[0.8817944950923657], [0.8767091047975317], [0.8329120310058258], [0.72539016...

% STD PDR:
PDR2_STD(1,:) = [[0.0024761504623913846], [0.006482423865172622], [0.007711375824828157], [0.0...

CBR2_MEAN(1,:) = [[0.056821857824798025], [0.1132679155877659], [0.27423807642986553], [0.5038...

%STD CBR:
CBR2_STD(1,:) = [[0.007750999282908913], [0.015405846766808083], [0.035276861433956114], [0.066...
```

Obtención de VAP

```
Sc1 = [ PDR_T(1,:) ; PDR_MEAN(1,:) ; PDR2_MEAN(1,:)];

Sc1_std = [PDR_STD(1,:) ; PDR2_STD(1,:)];

Sc1_nar = [1-(1-Sc1(:,1)).^1 1-(1-Sc1(:,2)).^2 1-(1-Sc1(:,3)).^3 1-(1-Sc1(:,4)).^3];

Sc1_nar_std = [1-(1-Sc1_std(:,1)).^1 1-(1-Sc1_std(:,2)).^2 1-(1-Sc1_std(:,3)).^3 1-(1-Sc1_std(:,4)).^3];

Sc1_c = [ CBR_T(1,:) ; CBR_MEAN(1,:) ; CBR2_MEAN(1,:)];
```

figure (1)

```

bar(Sc1', 'DisplayName', 'PDR_MEAN');
hold on

title('PDR for theoretical and simulated \lambda = 1');
xlabel('Beacon frequency [Hz]');
ylabel('PDR');

x=[1 2 3 4];
%x2=[];
%x2(:,1)=x-0.27;
%x2(:,2)=x-0.1;
%x2(:,3)=x+0.1;
%x2(:,4)=x+0.27;
x2 = x + 0.22;
errorbar(x,PDR_MEAN(1,:),PDR_STD(1,:), 'ro');
hold on
errorbar(x2,PDR2_MEAN(1,:),PDR2_STD(1,:), 'ro');
legend('Theory', 'Simulation Without Obstacles', 'Simulation With Obstacles', 'Location', 'SouthEast');
ylim([0, 1.1])
xticklabels([1 2 5 10])
hold off

```

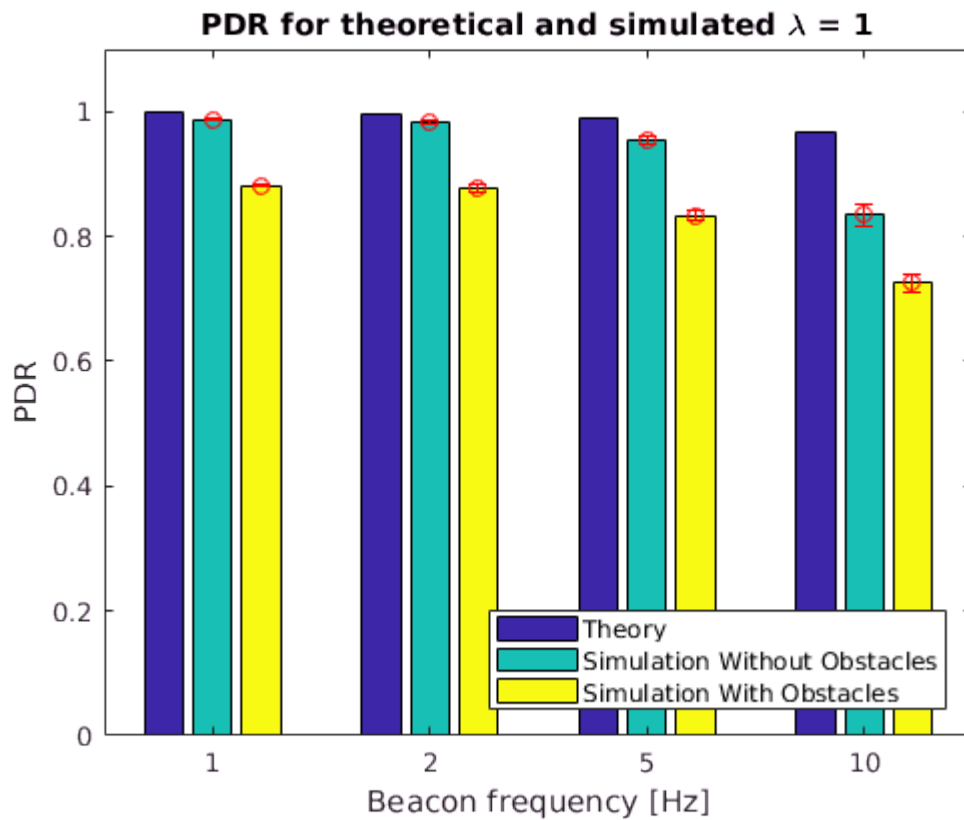


figure (2)

```

bar(Sc1_nar', 'DisplayName', 'PDR_MEAN');

```

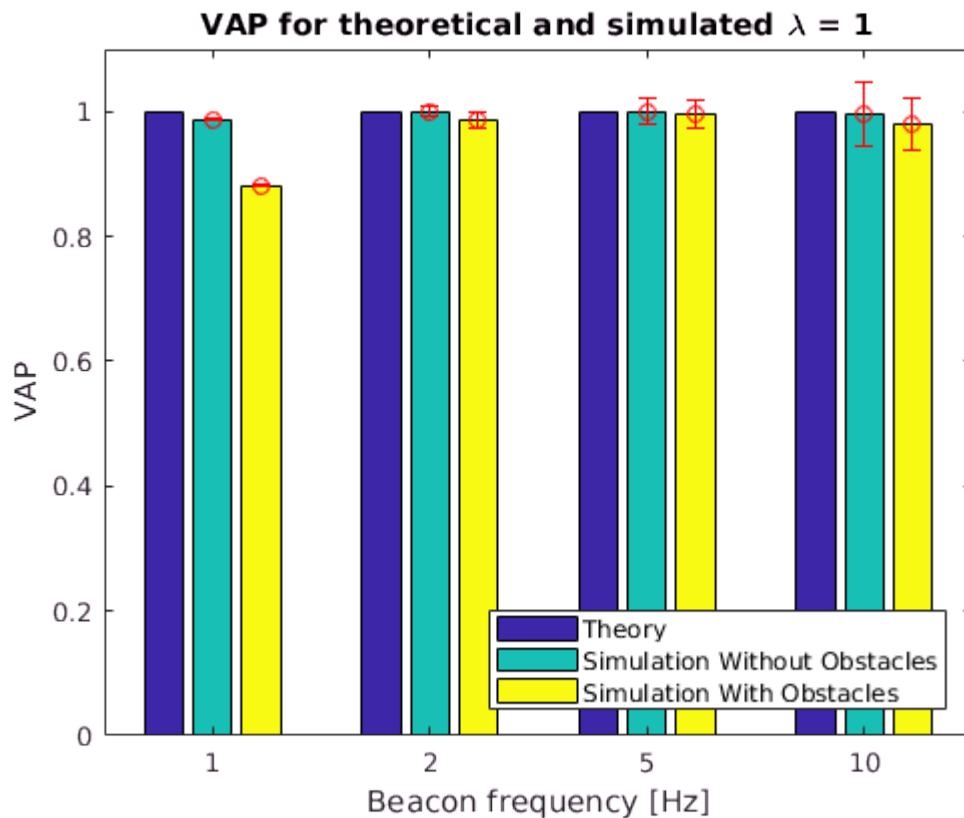
```

hold on

title('VAP for theoretical and simulated \lambda = 1');
xlabel('Beacon frequency [Hz]');
ylabel('VAP');

x=[1 2 3 4];
x2 = x + 0.22;
errorbar(x,Sc1_nar(2,:),Sc1_nar_std(1,:), 'ro');
hold on
errorbar(x2,Sc1_nar(3,:),Sc1_nar_std(2,:), 'ro');
legend('Theory','Simulation Without Obstacles','Simulation With Obstacles','Location','SouthEa
ylim([0, 1.1])
xticklabels([1 2 5 10])
hold off

```



```

figure (3)
%bar(PDR_MEAN,'DisplayName','PDR_MEAN')
bar(Sc1_c', 'DisplayName', 'CBR_MEAN');
hold on

title('CBR for theoretical and simulated \lambda = 1');
xlabel('Beacon frequency [Hz]');
ylabel('CBR');

errorbar(x,CBR_MEAN(1,:),CBR_STD(1,:), 'ro');

hold on

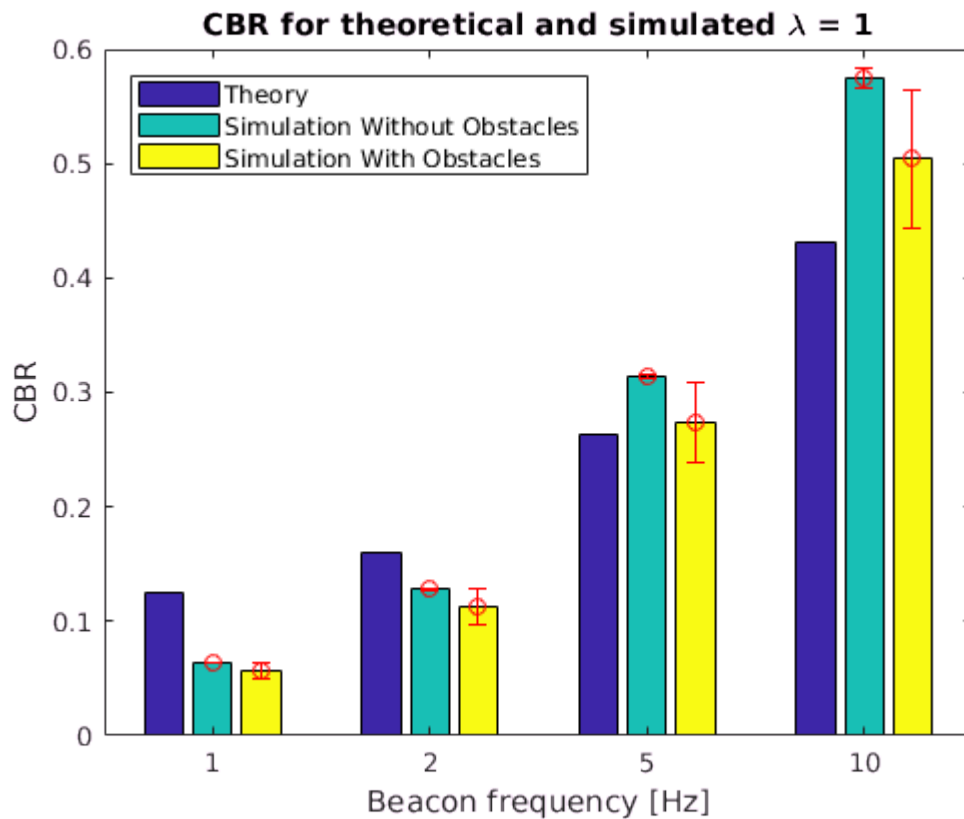
```

```

errorbar(x2,CBR2_MEAN(1,:),CBR2_STD(1:,:), 'ro');
legend('Theory','Simulation Without Obstacles','Simulation With Obstacles','Location','NorthWe

%ylim([0, 1.1])
xticklabels([1 2 5 10])
hold off

```



Resultados de simulación sin Obstáculos densidad Alta $\lambda = 2$

```

%Promedio PDR
%Filas Densidad de menos a mas, columnas Beconing 1,2,5 y 10 Hz

PDR_MEAN(2,:) = [[0.9887457349441109], [0.9708568489218841], [0.861268230630499], [0.518993406

%Promedio CBR:
CBR_MEAN(2,:) = [[0.11896501266589578], [0.23505330249509881], [0.5414981152228623], [0.778949

%STD PDR:
PDR_STD(2,:) = [[0.006162240741160844], [0.006954928395607039], [0.011366406517210301], [0.005

%STD CBR:
CBR_STD(2,:) = [[0.0008624650769769522], [0.0017817884933543117], [0.005636032605108568], [0.0

```

Resultados de modelo teórico

```
%PDR_T = base_PDR_results(2,:); %[0.9819 0.9775 0.9641 0.9419];
%CBR_T = base_CBR_results(2,:);
NAR_T = [1-(1-PDR_T(2,1)).^1 1-(1-PDR_T(2,2)).^2 1-(1-PDR_T(2,3)).^3 1-(1-PDR_T(2,4)).^3];
```

Resultados de simulación con obstáculos

```
% PDR Con obstáculos
PDR2_MEAN(2,:) =[0.685425602590316], [0.6661125587755339], [0.5879666089082995], [0.443470843

% STD PDR:
PDR2_STD(2,:) = [[0.005023359310975755], [0.004970768549817921], [0.0045792915541762865], [0.0

CBR2_MEAN(2,:) =[0.08273222620948552], [0.16257209216719398], [0.37852607640419134], [0.63945

%STD CBR:
CBR2_STD(2,:) =[0.01675695448388022], [0.031186318702315464], [0.0613567883103313], [0.076057
```

Obtención de NAR

```
Sc2 = [ PDR_T(2,:) ; PDR_MEAN(2,:) ; PDR2_MEAN(2,:)];

z=5.4579;

Sc2_std = [PDR_STD(2,:) ; PDR2_STD(2,:)];

Sc2_nar = [1-(1-Sc2(:,1)).^1 1-(1-Sc2(:,2)).^2 1-(1-Sc2(:,3)).^3 1-(1-Sc2(:,4)).^3];

Sc2_nar_std = [1-(1-Sc2_std(:,1)).^1 1-(1-Sc2_std(:,2)).^2 1-(1-Sc2_std(:,3)).^3 1-(1-Sc2_std(

Sc2_c = [ CBR_T(2,:) ; CBR_MEAN(2,:) ; CBR2_MEAN(2,:)];
```

```
figure (1)

bar(Sc2','DisplayName','PDR_MEAN');
hold on

title('PDR for theoretical and simulated \lambda = 2');
xlabel('Beacon frequency [Hz]');
ylabel('PDR');

x=[1 2 3 4];
%x2=[];
%x2(:,1)=x-0.27;
%x2(:,2)=x-0.1;
%x2(:,3)=x+0.1;
%x2(:,4)=x+0.27;
x2 = x + 0.22;
errorbar(x,PDR_MEAN(2,:),PDR_STD(2,),'ro');
hold on
errorbar(x2,PDR2_MEAN(2,:),PDR2_STD(2,),'ro');
legend('Theory','Simulation Without Obstacles','Simulation With Obstacles','Location','SouthEast');
ylim([0, 1.1])
xticklabels([1 2 5 10])
```

hold off

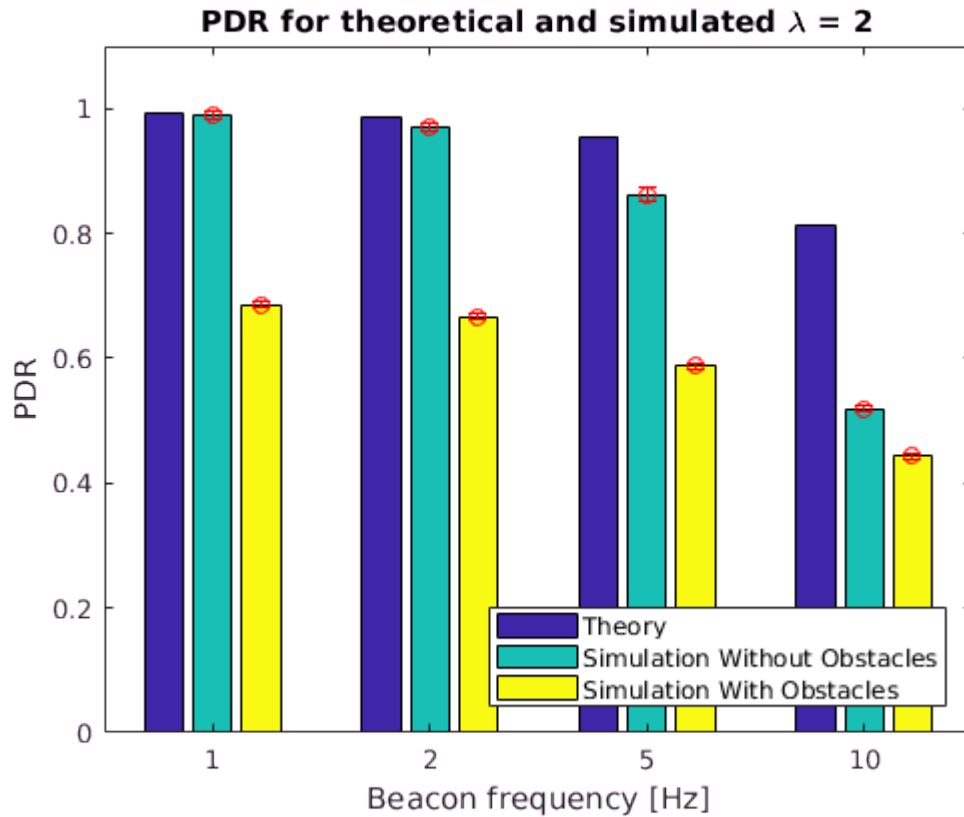


figure (2)

```
bar(Sc2_nar', 'DisplayName', 'PDR_MEAN');  
hold on
```

```
title('VAP for theoretical and simulated \lambda = 2');  
xlabel('Beacon frequency [Hz]');  
ylabel('VAP');
```

```
x=[1 2 3 4];  
x2 = x + 0.22;  
errorbar(x, Sc2_nar(2,:), Sc2_nar_std(1,:), 'ro');
```

```
hold on
```

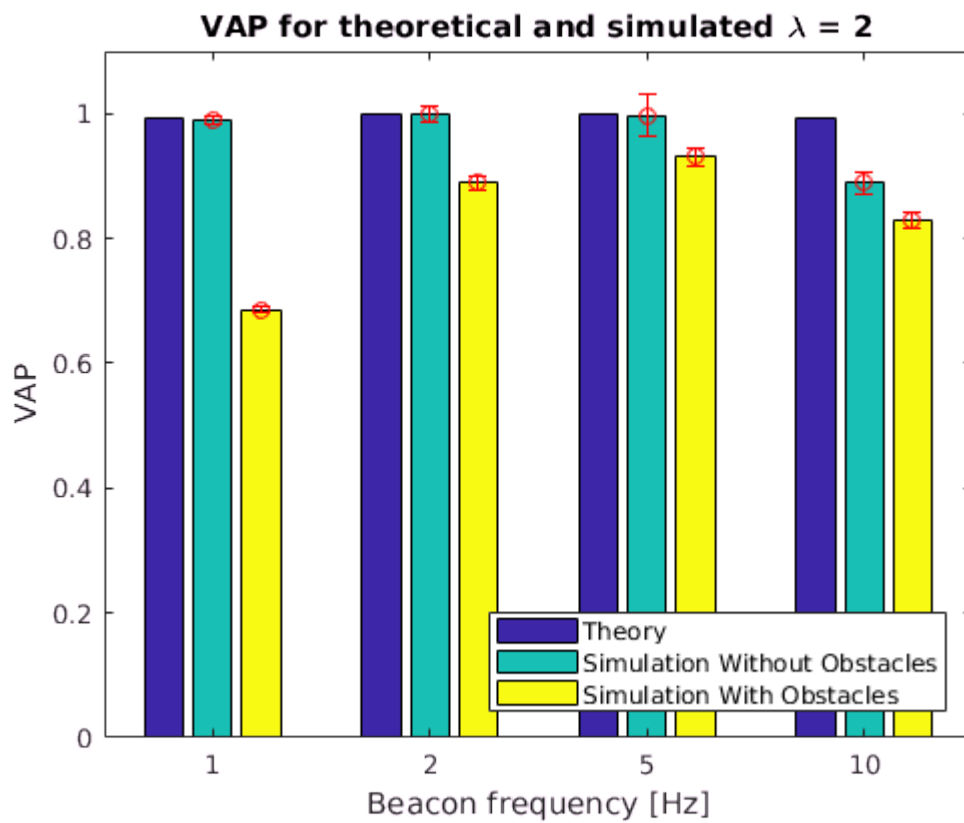
```
errorbar(x2, Sc2_nar(3,:), Sc2_nar_std(2,:), 'ro');
```

```
legend('Theory', 'Simulation Without Obstacles', 'Simulation With Obstacles', 'Location', 'SouthEast');
```

```
ylim([0, 1.1])
```

```
xticklabels([1 2 5 10])
```

```
hold off
```



```

figure (3)
%bar(PDR_MEAN,'DisplayName','PDR_MEAN')
bar(Sc2_c','DisplayName','CBR_MEAN');
hold on

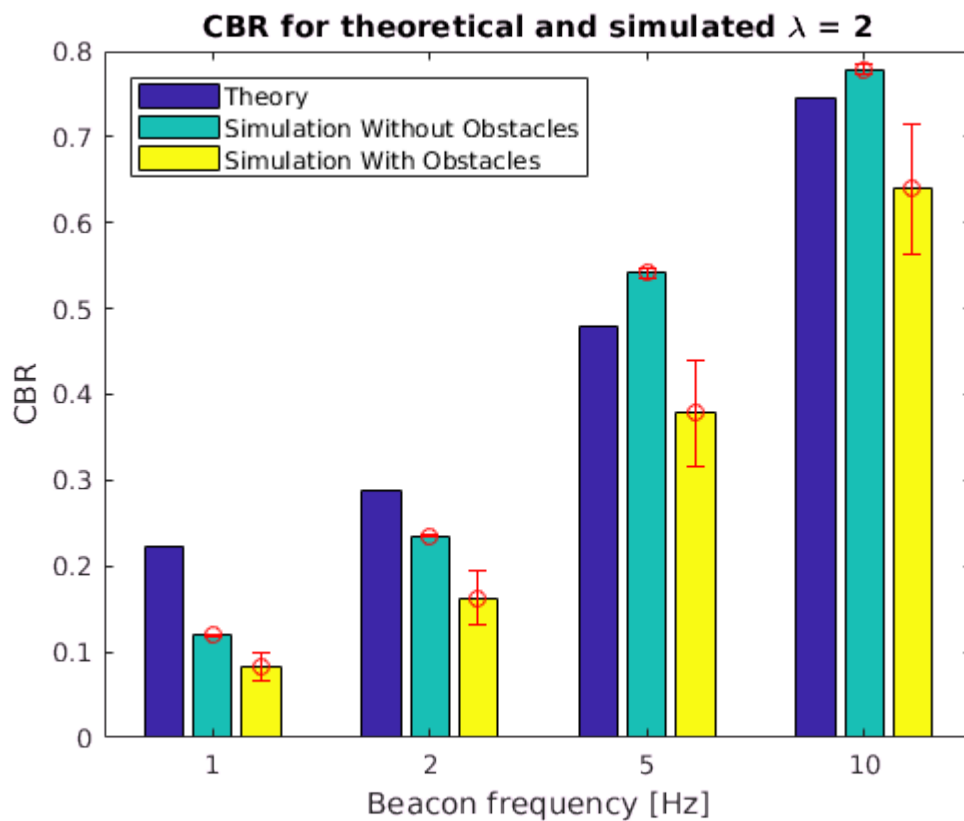
title('CBR for theoretical and simulated \lambda = 2');
xlabel('Beacon frequency [Hz]');
ylabel('CBR');

errorbar(x,CBR_MEAN(2,:),CBR_STD(2,),'ro');

hold on
errorbar(x2,CBR2_MEAN(2,:),CBR2_STD(2,),'ro');
legend('Theory','Simulation Without Obstacles','Simulation With Obstacles','Location','NorthWe

%ylim([0, 1.1])
xticklabels([1 2 5 10])
hold off

```



Resultados de simulación para diferentes reglas

%Constantes para cálculo de VAP

```
c_MP=[ (0.7889*29.6 + 0.7891*37.9 + 0.9444*102)/(29.6+37.9+102) ; (0.8593*40.05 + 0.9510*67.3
```

```
c_MP =
    0.8825
    0.8102
```

```
c_OS=[ (1*29.6 + 1*37.9 + 0.0086*102)/(29.6+37.9+102) ; (1*40.05 + 1*67.3 + 0.0210*212)/(40.05
```

```
c_OS =
    0.4034
    0.3501
```

```
c2_MP = ones(2,4).*c_MP;
c2_OS = ones(2,4).*c_OS;
```

% OS- OnStreet

%Promedio PDR:

```
PDR_OS(1,:) = [[0.8289252718794436], [0.8197610181828635], [0.7766695171026157], [0.7253409486
```

```
PDR_OS(2,:) = [[0.7036095526073519], [0.6922041435218518], [0.6611707399173666], [0.6004145197
```

%Promedio CBR:

```
CBR_OS(1,:) = [[0.02970177941530486], [0.056792806914874316], [0.13437554737701482], [0.257681
```

```
CBR_OS(2,:) = [[0.04080302044443439], [0.07967604835338839], [0.19229551517771476], [0.3642069
```

%STD PDR:

```
STD_PDR_OS(1,:) = [[0.002252828963299697], [0.007262957865236343], [0.00715942999852274], [0.0
```



```

%Promedio CBR Teórico:
CBR_MTX_T = tx_CBR_results;
%Promedio VAP
VAP_MTX_T = tx_VAP_results;

```

figure (4)

```

ScrD1_PDR = [PDR2_MEAN(1,:) ; PDR_OS(1,:) ; PDR_MP(1,:)];
bar(ScrD1_PDR, 'DisplayName', 'PDR_MEAN');
hold on

title('PDR for diferents rules \lambda = 1');
xlabel('Beacon frequency [Hz]');
ylabel('PDR');

x=[1 2 3 4];
x1 = x - 0.22;
x3 = x + 0.22;
errorbar(x1,PDR2_MEAN(1,:),PDR2_STD(1,:), 'ro');
hold on
errorbar(x,PDR_OS(1,:),STD_PDR_OS(1,:), 'ro');
hold on
errorbar(x3,PDR_MP(1,:),STD_PDR_MP(1,:), 'ro');
legend('Baseline With Obstacles', 'On Street', 'Movin Ped', 'Location', 'SouthEast');
ylim([0 1])
xticklabels([1 2 5 10])
hold on
bar([0 0 0 0 PDR_MTX(1,:)],0.2, 'm', 'DisplayName', 'Multiple Tx');
%legend('Baseline With Obstacles', 'On Street', 'Movin Ped', 'Multiple Tx', 'Location', 'NorthEast');
hold on
errorbar([-1 -1 -1 -1 PDR_MTX(1,:)],[0 0 0 0 STD_PDR_MTX(1,:)], 'ro', 'HandleVisibility', 'off');
hold off

```

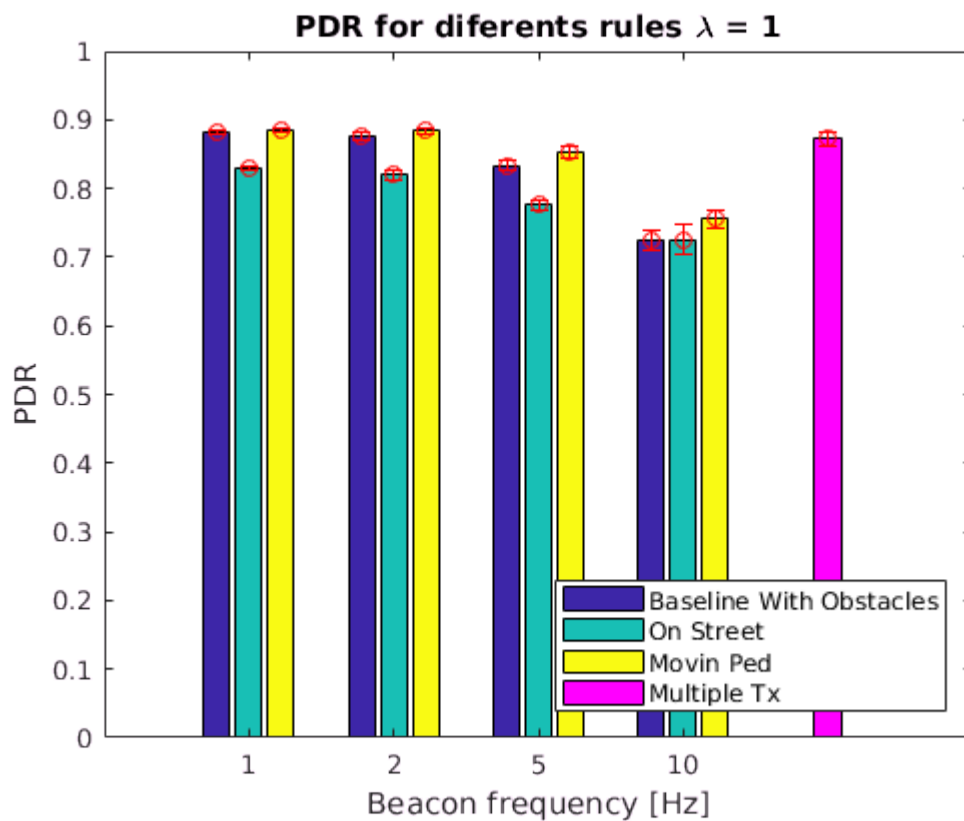


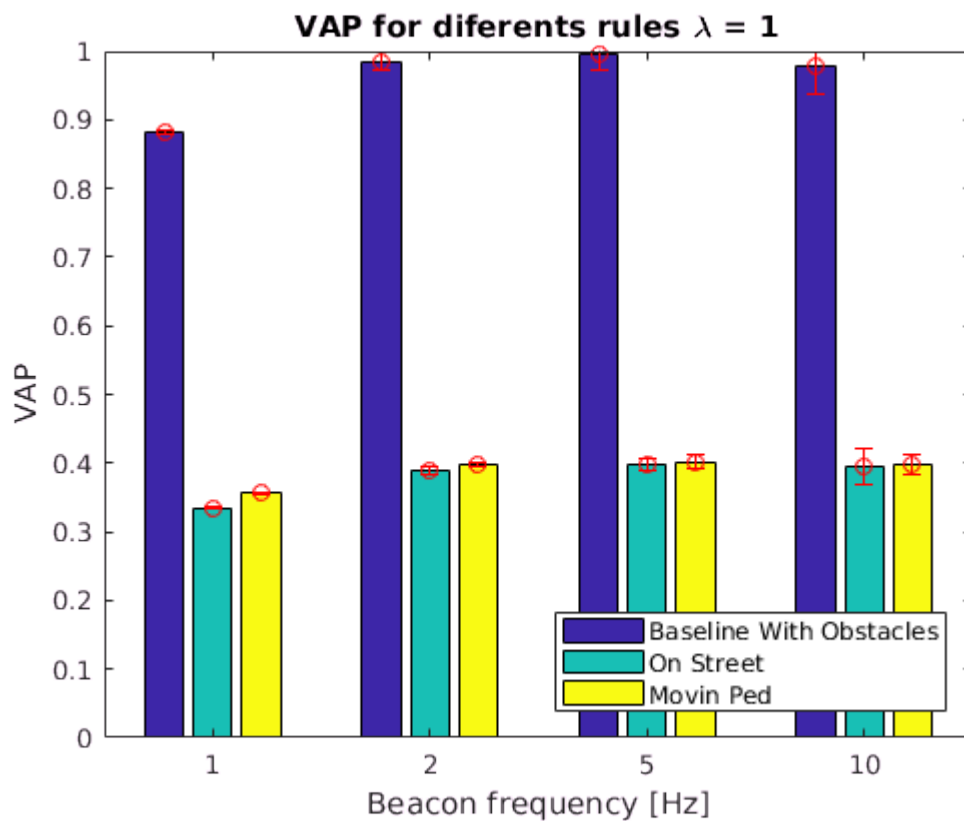
figure (5)

```
Scr_VAP = [Sc1_nar(3,:) ; VAP_OS(1,:) ; VAP_MP(1,:)];
bar(Scr_VAP', 'DisplayName', 'NAR_MEAN');
hold on

title('VAP for diferents rules \lambda = 1');
xlabel('Beacon frequency [Hz]');
ylabel('VAP');

x=[1 2 3 4];
x1 = x - 0.22;
x3 = x + 0.22;

errorbar(x1, Sc1_nar(3,:), Sc1_nar_std(2,:), 'ro');
hold on
errorbar(x, VAP_OS(1,:), STD_VAP_OS(1,:), 'ro');
hold on
errorbar(x3, VAP_MP(1,:), STD_VAP_MP(1,:), 'ro');
legend('Baseline With Obstacles', 'On Street', 'Movin Ped', 'Location', 'SouthEast');
ylim([0 1])
xticklabels([1 2 5 10])
```



```

figure (6)
Scr_CBR = [CBR2_MEAN(1,:) ; CBR_OS(1,:) ; CBR_MP(1,:)];

bar(Scr_CBR','DisplayName','CBR_MEAN');
hold on

title('CBR for diferents rules \lambda = 1');
xlabel('Beacon frequency [Hz]');
ylabel('CBR');

x=[1 2 3 4];
x1 = x - 0.22;
x3 = x + 0.22;
errorbar(x1,CBR2_MEAN(1,:),CBR2_STD(1,),'ro');
hold on
errorbar(x,CBR_OS(1,:),STD_CBR_OS(1,),'ro');
hold on
errorbar(x3,CBR_MP(1,:),STD_CBR_MP(1,),'ro');
legend('Baseline With Obstacles','On Street','Movin Ped','Location','NorthEast');
ylim([0 1]) %0.35,0.45]
xticklabels([1 2 5 10])
hold on
bar([0 0 0 0 CBR_MTX(1,:)],0.2,'m','DisplayName','Multiple Tx');
%legend('Baseline With Obstacles','On Street','Movin Ped','Multiple Tx','Location','NorthEast')
hold on
errorbar([-1 -1 -1 -1 CBR_MTX(1,:)],[0 0 0 0 STD_CBR_MTX(1,)],'ro','HandleVisibility','off');
hold off

```

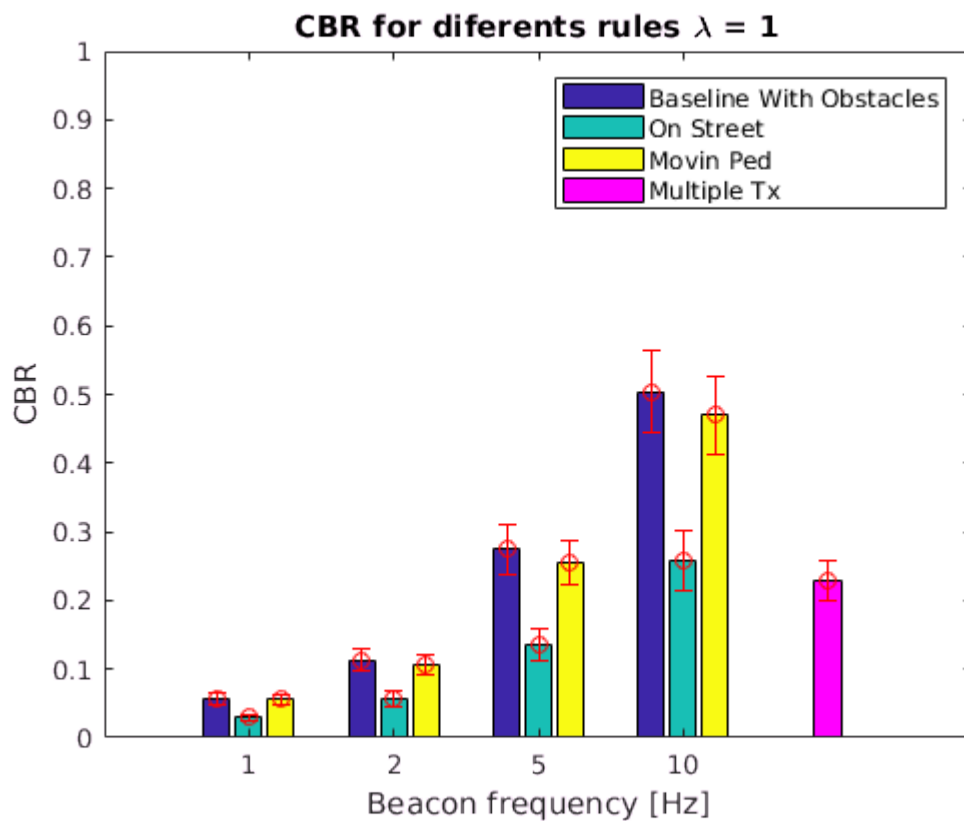


figure (4)

```

ScrD1_PDR = [PDR2_MEAN(2,:) ; PDR_OS(2,:) ; PDR_MP(2,:)];
bar(ScrD1_PDR,'DisplayName','PDR_MEAN');
hold on

title('PDR for diferents rules \lambda = 2');
xlabel('Beacon frequency [Hz]');
ylabel('PDR');

x=[1 2 3 4];
x1 = x - 0.22;
x3 = x + 0.22;
errorbar(x1,PDR2_MEAN(2,:),PDR2_STD(2,),'ro');
hold on
errorbar(x,PDR_OS(2,:),STD_PDR_OS(2,),'ro');
hold on
errorbar(x3,PDR_MP(2,:),STD_PDR_MP(2,),'ro');
legend('Baseline With Obstacles','On Street','Movin Ped','Location','SouthEast');
ylim([0 1])
xticklabels([1 2 5 10])
hold on
bar([0 0 0 0 PDR_MTX(2,:)],0.2,'m','DisplayName','Multiple Tx');
%legend('Baseline With Obstacles','On Street','Movin Ped','Multiple Tx','Location','NorthEast');
hold on
errorbar([-1 -1 -1 -1 PDR_MTX(2,:)],[0 0 0 0 STD_PDR_MTX(2,),'ro','HandleVisibility','off');
hold off

```

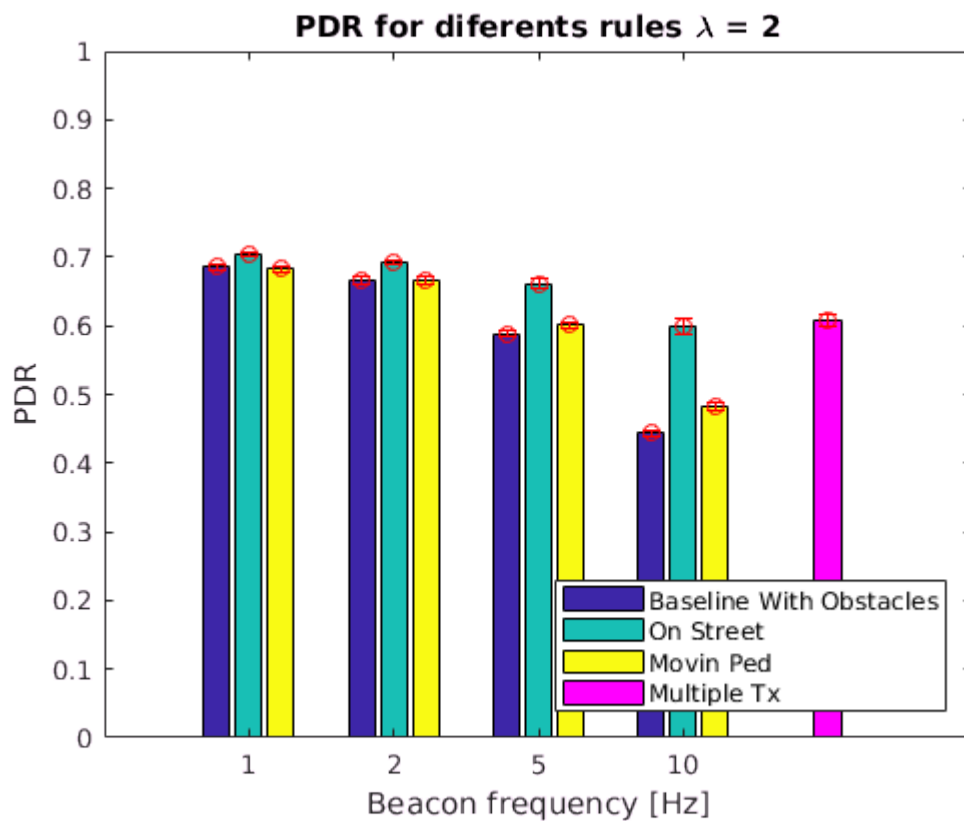


figure (5)

```

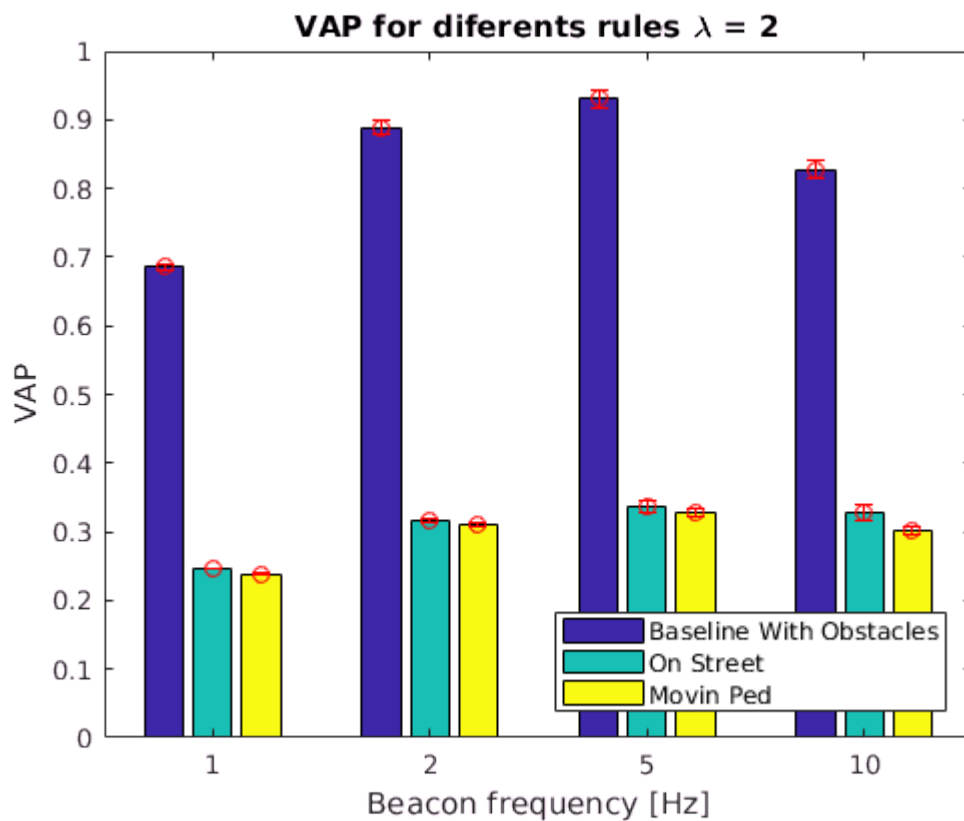
Scr_VAP = [Sc2_nar(3,:) ; VAP_OS(2,:) ; VAP_MP(2,:)];
bar(Scr_VAP', 'DisplayName', 'NAR_MEAN');
hold on

title('VAP for diferents rules \lambda = 2');
xlabel('Beacon frequency [Hz]');
ylabel('VAP');

x=[1 2 3 4];
x1 = x - 0.22;
x3 = x + 0.22;

errorbar(x1,Sc2_nar(3,:),Sc2_nar_std(2,:), 'ro');
hold on
errorbar(x,VAP_OS(2,:),STD_VAP_OS(2,:), 'ro');
hold on
errorbar(x3,VAP_MP(2,:),STD_VAP_MP(2,:), 'ro');
legend('Baseline With Obstacles', 'On Street', 'Movin Ped', 'Location', 'SouthEast');
ylim([0 1])
xticklabels([1 2 5 10])
hold off

```



```

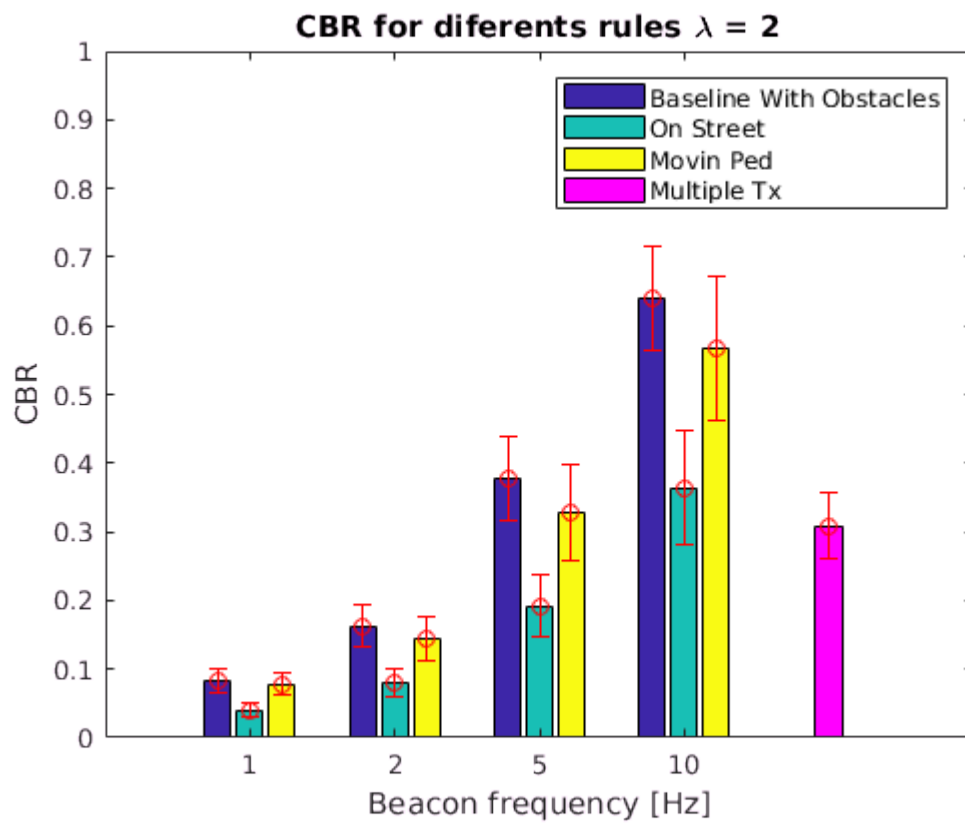
figure (6)
Scr_CBR = [CBR2_MEAN(2,:) ; CBR_OS(2,:) ; CBR_MP(2,:)];

bar(Scr_CBR','DisplayName','CBR_MEAN');
hold on

title('CBR for diferents rules \lambda = 2');
xlabel('Beacon frequency [Hz]');
ylabel('CBR');

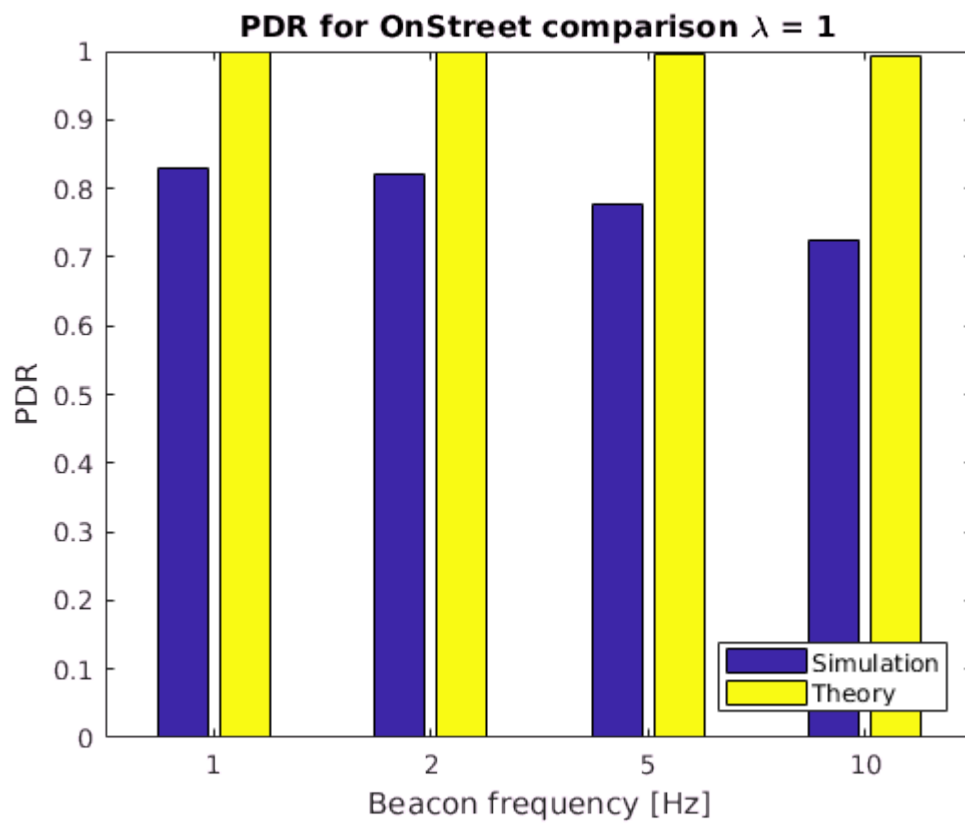
x=[1 2 3 4];
x1 = x - 0.22;
x3 = x + 0.22;
errorbar(x1,CBR2_MEAN(2,:),CBR2_STD(2,),'ro');
hold on
errorbar(x,CBR_OS(2,:),STD_CBR_OS(2,),'ro');
hold on
errorbar(x3,CBR_MP(2,:),STD_CBR_MP(2,),'ro');
legend('Baseline With Obstacles','On Street','Movin Ped','Location','NorthEast');
ylim([0 1]) % [0.35,0.45]
xticklabels([1 2 5 10])
hold on
bar([0 0 0 0 CBR_MTX(2,:)],0.2,'m','DisplayName','Multiple Tx');
%legend('Baseline With Obstacles','On Street','Movin Ped','Multiple Tx','Location','NorthEast')
hold on
errorbar([-1 -1 -1 -1 CBR_MTX(2,:)],[0 0 0 0 STD_CBR_MTX(2,),'ro','HandleVisibility','off');
hold off

```



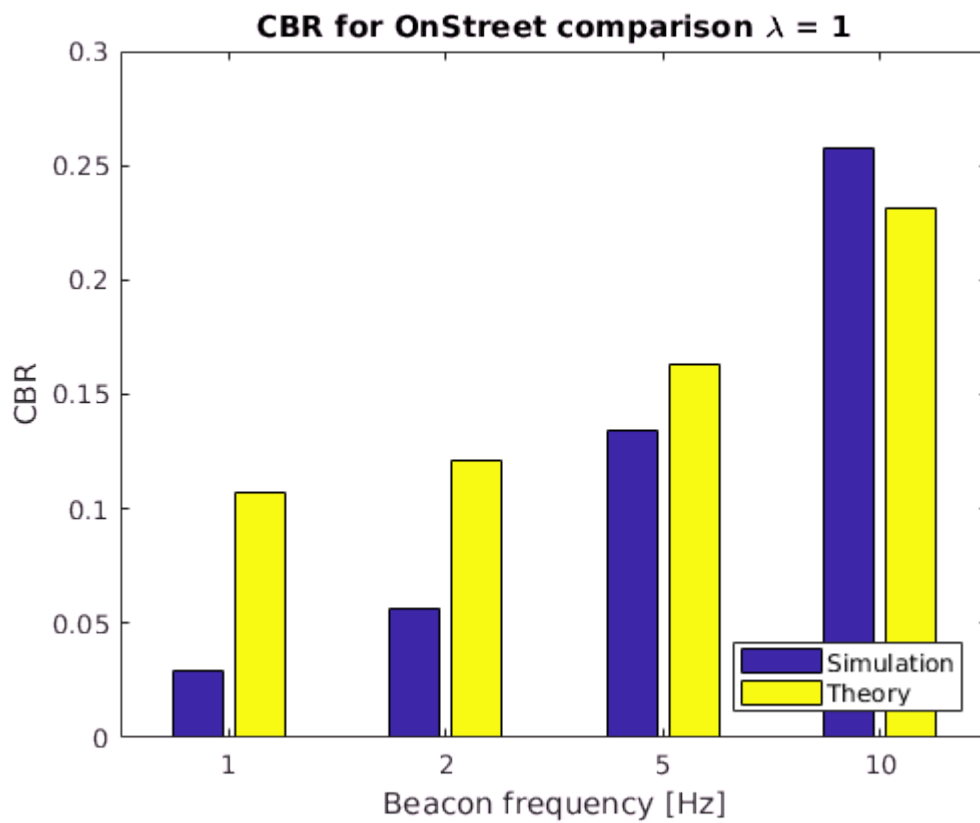
```
Scr_Street_PDR = [PDR_OS(1,:) ; PDR_OS_T(1,:)];
bar(Scr_Street_PDR, 'DisplayName', 'PDR_MEAN');

title('PDR for OnStreet comparison \lambda = 1');
xlabel('Beacon frequency [Hz]');
xticklabels([1 2 5 10])
ylabel('PDR');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```

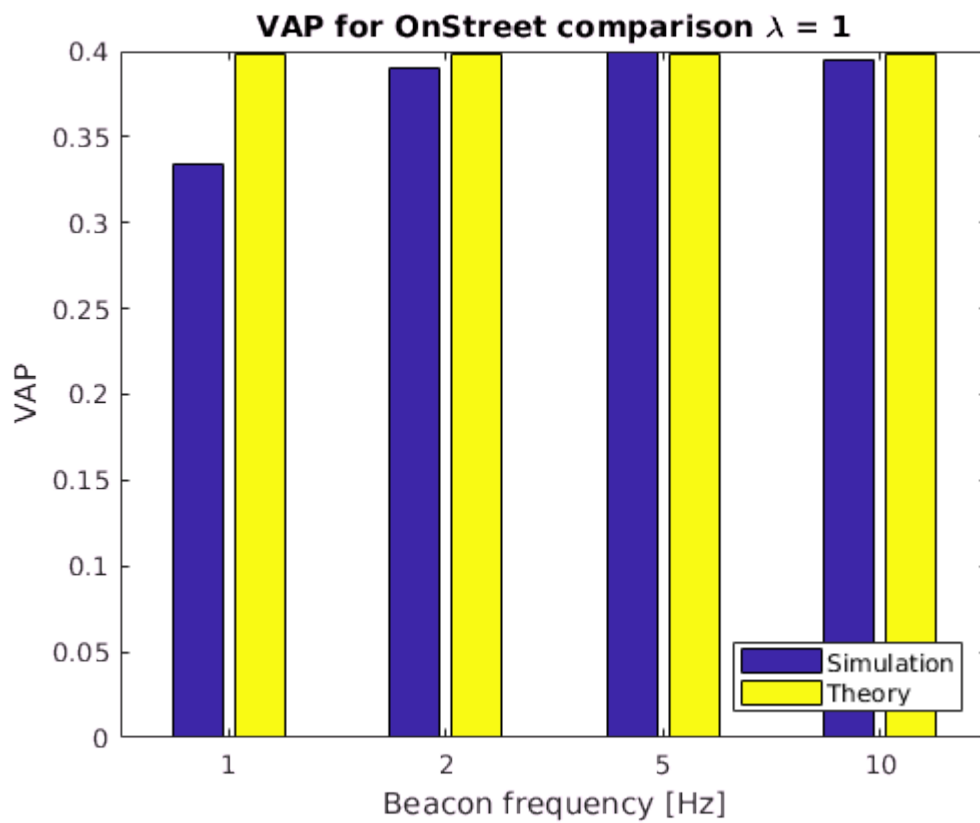
```
Scr_Street_CBR = [CBR_OS(1,:) ; CBR_OS_T(1,:)];
bar(Scr_Street_CBR, 'DisplayName', 'PDR_MEAN');

title('CBR for OnStreet comparison \lambda = 1');
xlabel('Beacon frequency [Hz]');
xticklabels([1 2 5 10])
ylabel('CBR');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```



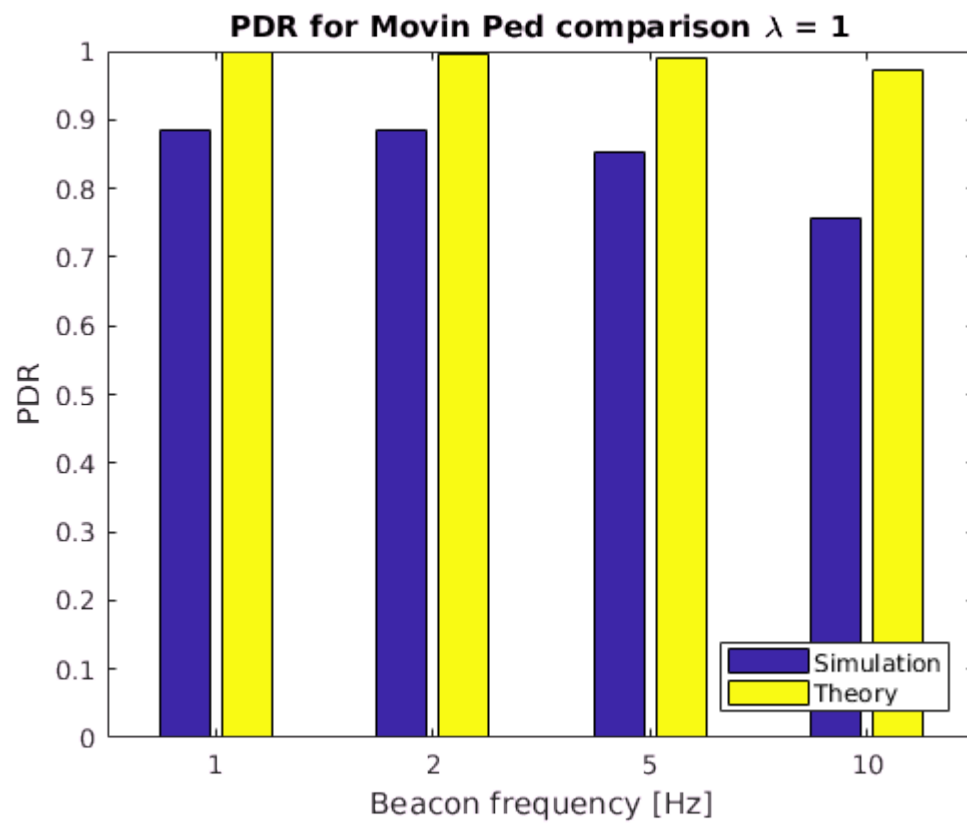
```
Scr_Street_VAP = [VAP_OS(1,:) ; VAP_OS_T(1,:)];
bar(Scr_Street_VAP', 'DisplayName', 'PDR_MEAN');

title('VAP for OnStreet comparison \lambda = 1');
xlabel('Beacon frequency [Hz]');
xticklabels([1 2 5 10])
ylabel('VAP');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```



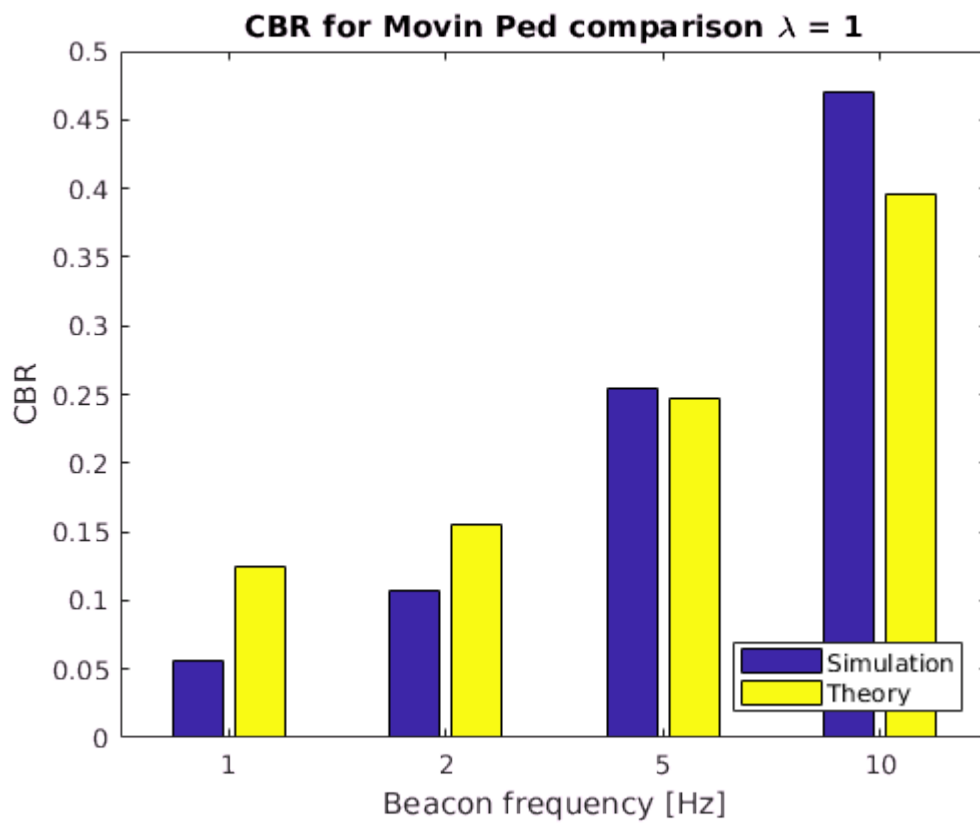
```
Scr_MP_PDR = [PDR_MP(1,:) ; PDR_MP_T(1,:)];
bar(Scr_MP_PDR, 'DisplayName', 'PDR_MEAN');

title('PDR for Movin Ped comparison \lambda = 1');
xlabel('Beacon frequency [Hz]');
xticklabels([1 2 5 10])
ylabel('PDR');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```

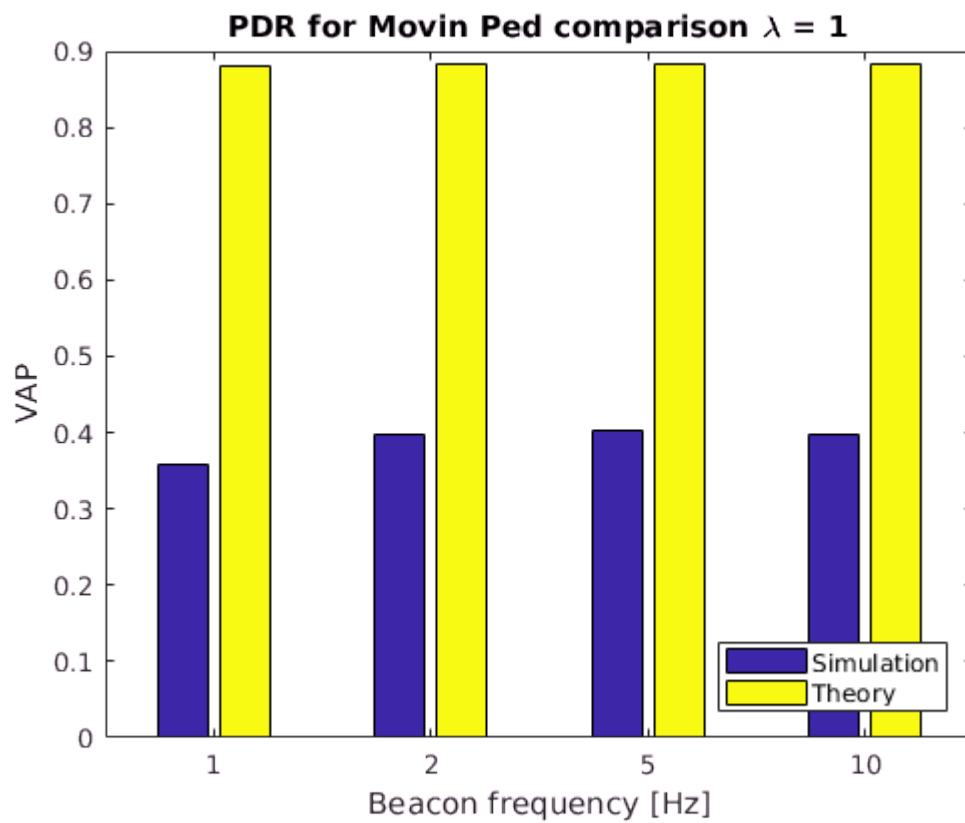


```
Scr_MP_CBR = [CBR_MP(1,:) ; CBR_MP_T(1,:)];
bar(Scr_MP_CBR, 'DisplayName', 'PDR_MEAN');

title('CBR for Movin Ped comparison \lambda = 1');
xlabel('Beacon frequency [Hz]');
xticklabels([1 2 5 10])
ylabel('CBR');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```

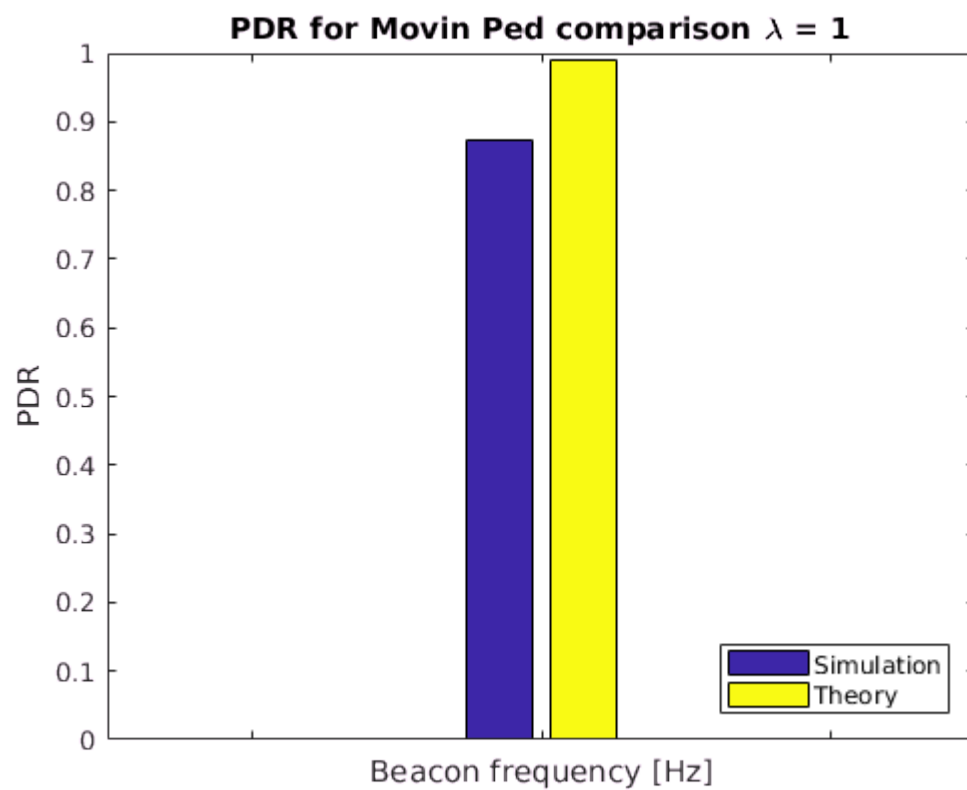


```
Scr_MP_VAP = [VAP_MP(1,:) ; VAP_MP_T(1,:)];  
bar(Scr_MP_VAP, 'DisplayName', 'PDR_MEAN');  
  
title('PDR for Movin Ped comparison \lambda = 1');  
xlabel('Beacon frequency [Hz]');  
xticklabels([1 2 5 10])  
ylabel('VAP');  
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```



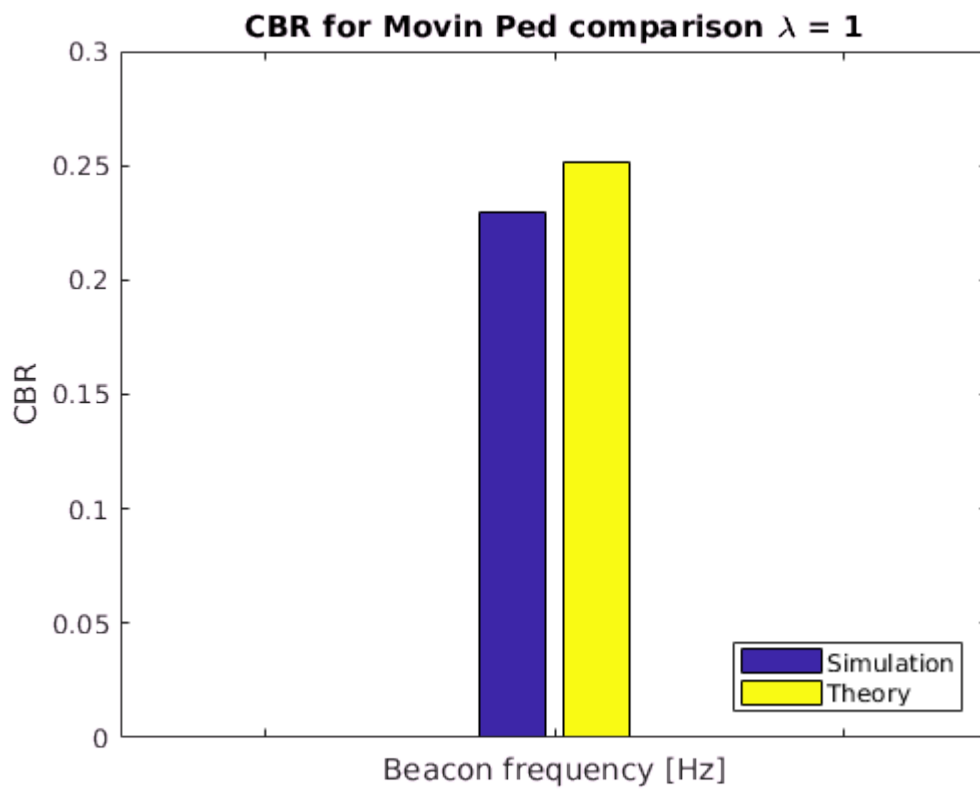
```
Scr_MTX_PDR = [[0 PDR_MTX(1) 0];[0 PDR_MTX_T(1,1) 0]];
bar(Scr_MTX_PDR,'DisplayName','PDR_MEAN');
```

```
title('PDR for Movin Ped comparison \lambda = 1');
xlabel('Beacon frequency [Hz]');
ylabel('PDR');
legend('Simulation','Theory','Location','SouthEast');
xticklabels([])
```



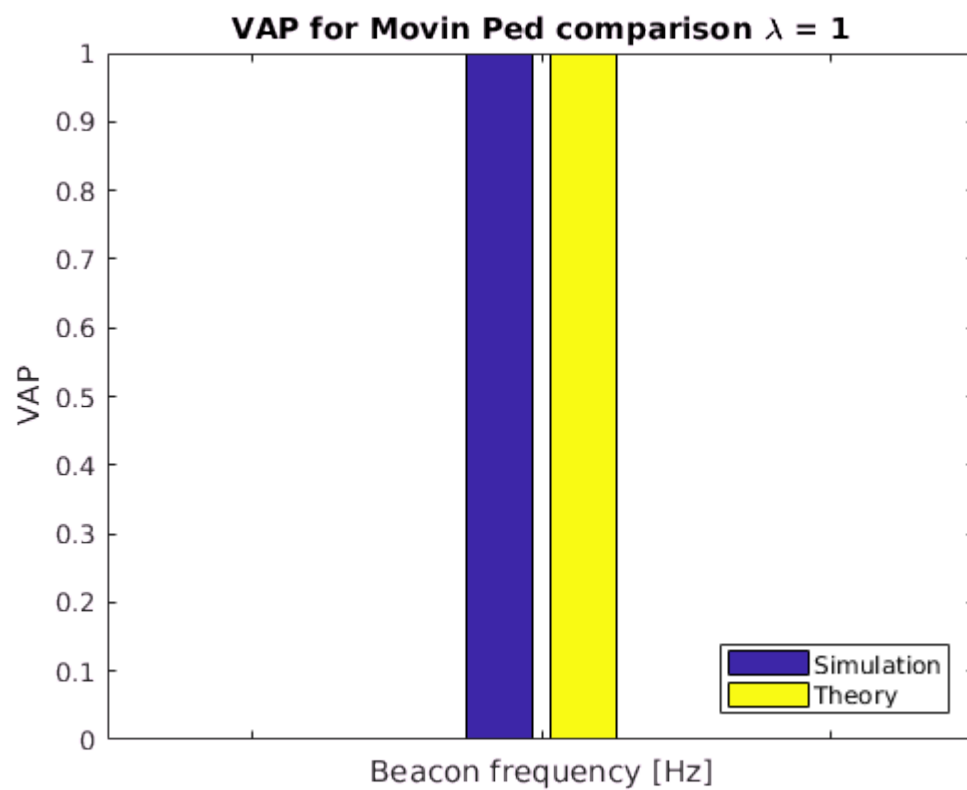
```
Scr_MTX_CBR = [[0 CBR_MTX(1) 0];[0 CBR_MTX_T(1,1) 0]];
bar(Scr_MTX_CBR, 'DisplayName', 'PDR_MEAN');
```

```
title('CBR for Movin Ped comparison \lambda = 1');
xlabel('Beacon frequency [Hz]');
ylabel('CBR');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
xticklabels([])
```



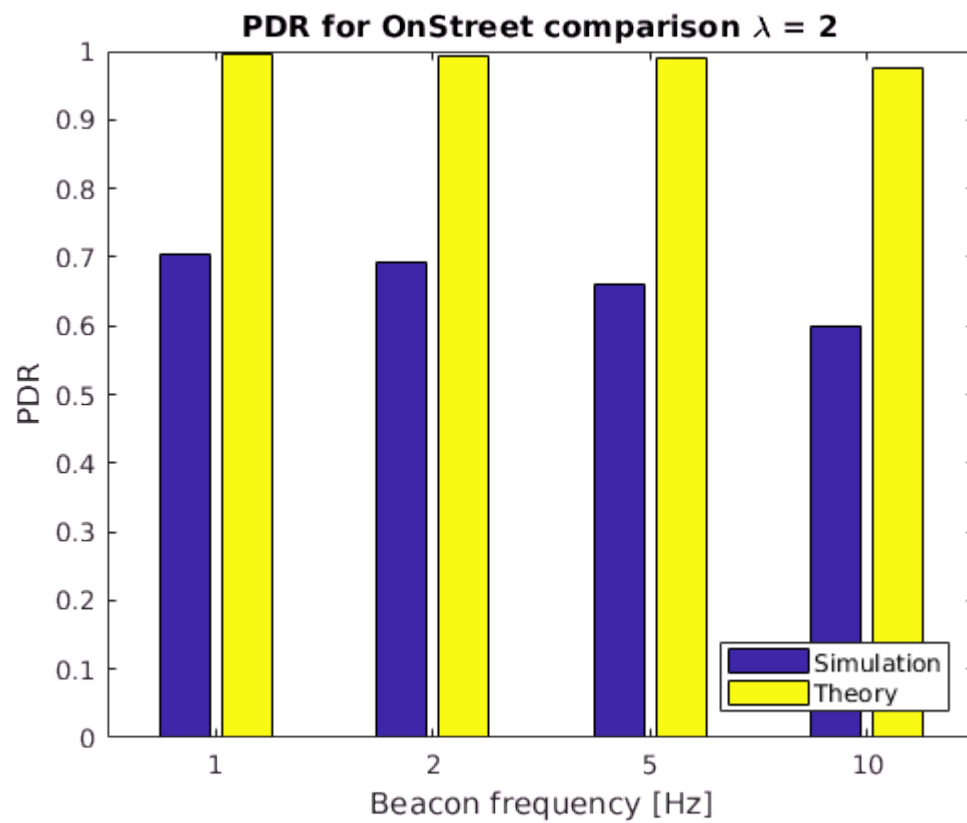
```
Scr_MTX_VAP = [[0 NAR_MTX(1) 0];[0 VAP_MTX_T(1,1) 0]];
bar(Scr_MTX_VAP', 'DisplayName', 'PDR_MEAN');
```

```
title('VAP for Movin Ped comparison \lambda = 1');
xlabel('Beacon frequency [Hz]');
ylabel('VAP');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
xticklabels([])
```

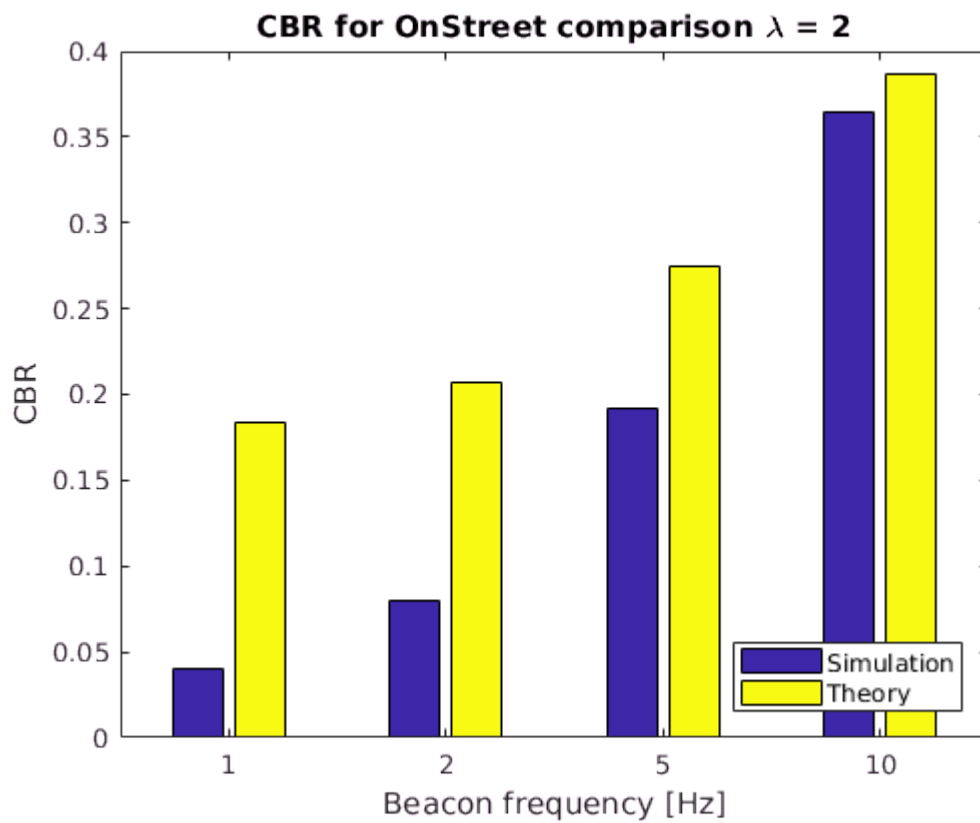
```
Scr_Street_PDR = [PDR_OS(2,:) ; PDR_OS_T(2,:)];
bar(Scr_Street_PDR, 'DisplayName', 'PDR_MEAN');

title('PDR for OnStreet comparison \lambda = 2');
xlabel('Beacon frequency [Hz]');
xticklabels([1 2 5 10])
ylabel('PDR');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```

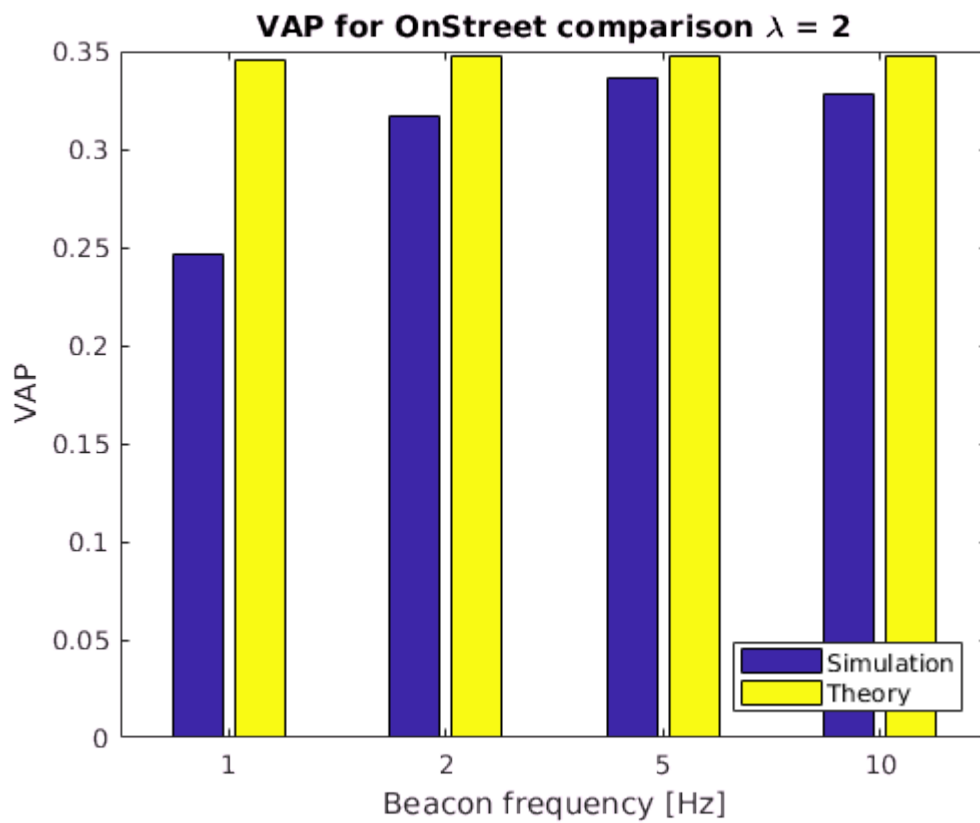


```
Scr_Street_CBR = [CBR_OS(2,:) ; CBR_OS_T(2,:)];
bar(Scr_Street_CBR, 'DisplayName', 'PDR_MEAN');

title('CBR for OnStreet comparison \lambda = 2');
xlabel('Beacon frequency [Hz]');
xticklabels([1 2 5 10])
ylabel('CBR');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```

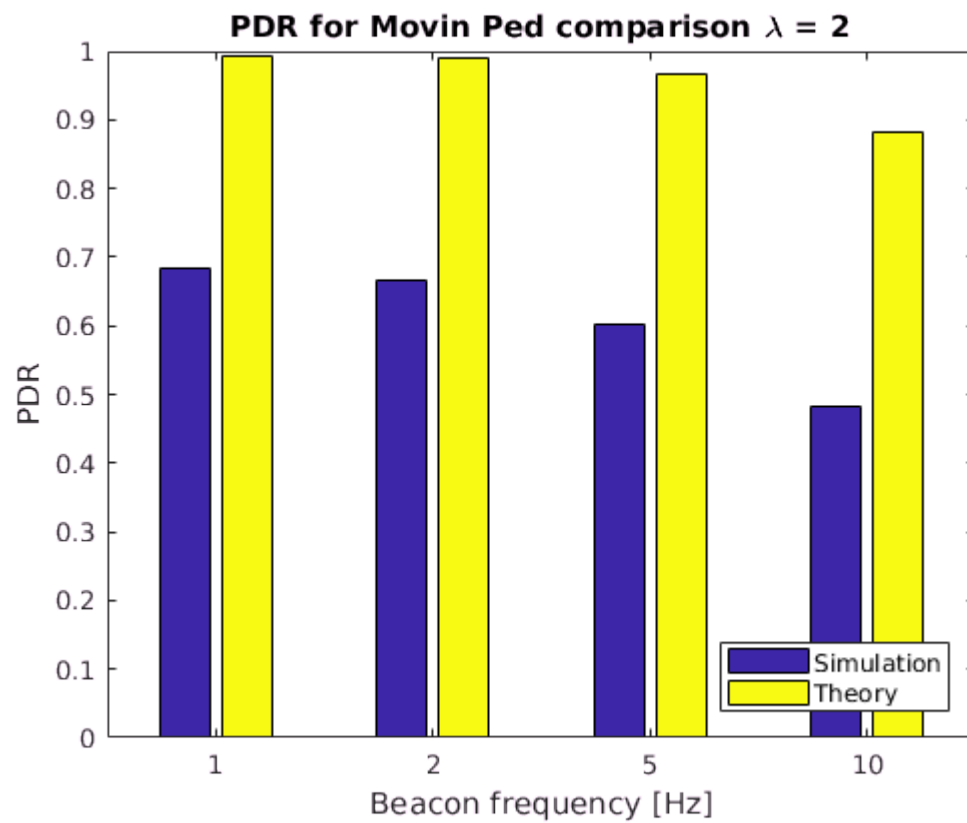


```
Scr_Street_VAP = [VAP_OS(2,:) ; VAP_OS_T(2,:)];  
bar(Scr_Street_VAP', 'DisplayName', 'PDR_MEAN');  
  
title('VAP for OnStreet comparison \lambda = 2');  
xlabel('Beacon frequency [Hz]');  
xticklabels([1 2 5 10])  
ylabel('VAP');  
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```



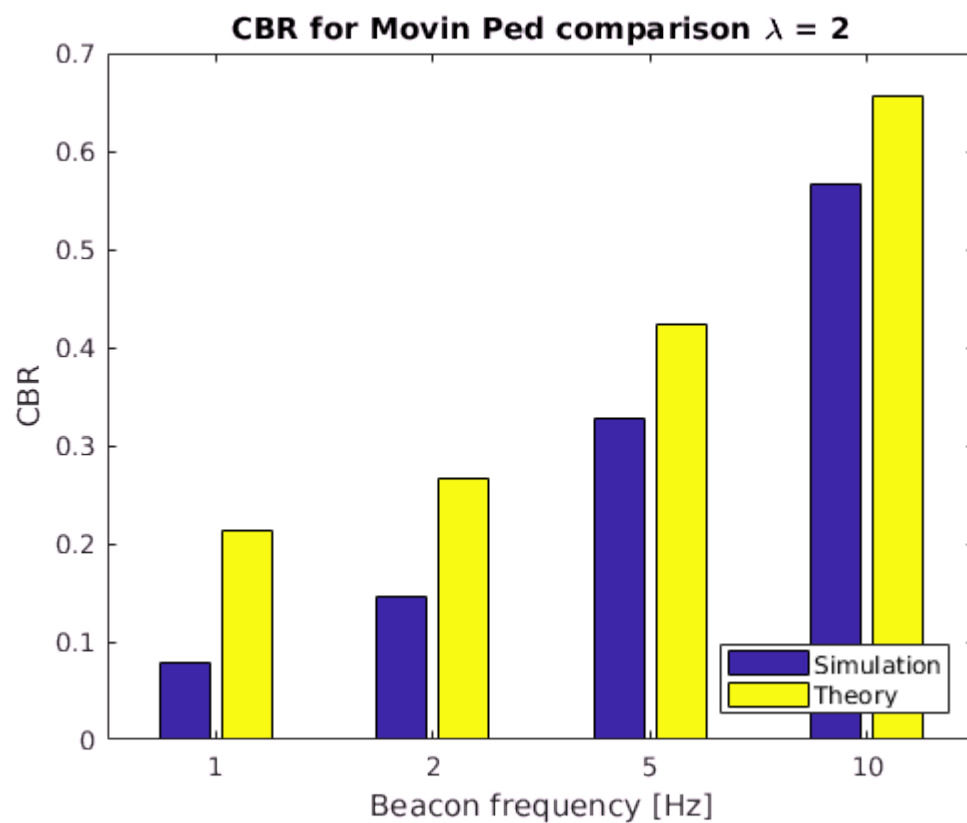
```
Scr_MP_PDR = [PDR_MP(2,:) ; PDR_MP_T(2,:)];
bar(Scr_MP_PDR, 'DisplayName', 'PDR_MEAN');

title('PDR for Movin Ped comparison \lambda = 2');
xlabel('Beacon frequency [Hz]');
xticklabels([1 2 5 10])
ylabel('PDR');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```



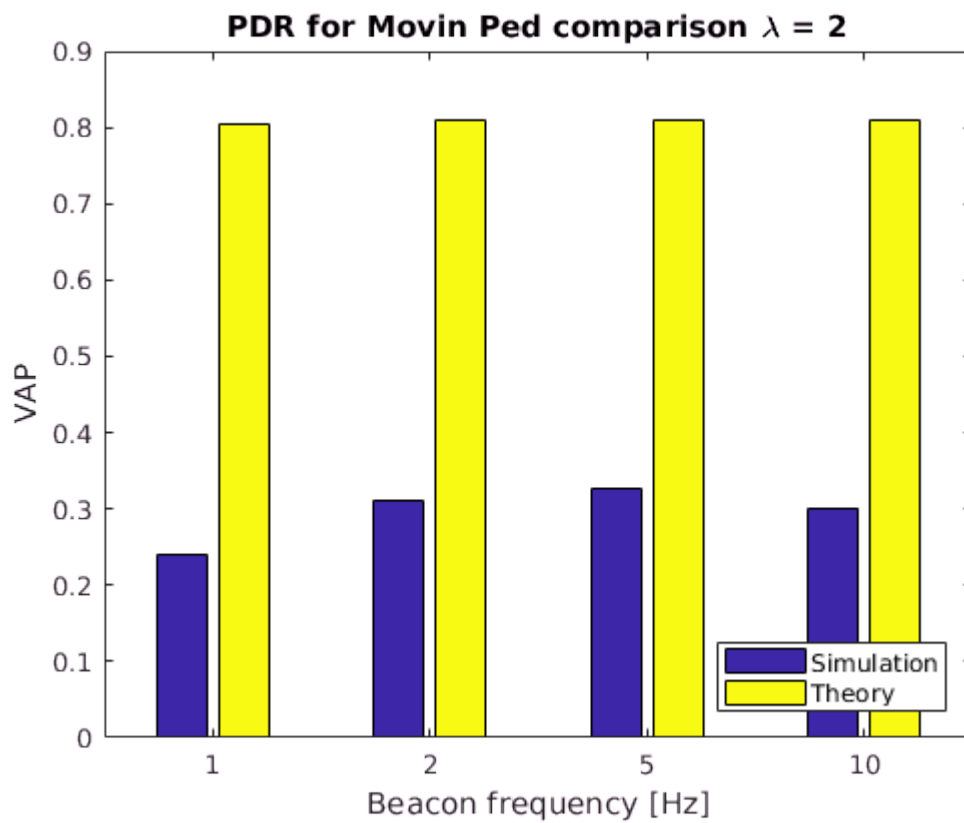
```
Scr_MP_CBR = [CBR_MP(2,:) ; CBR_MP_T(2,:)];
bar(Scr_MP_CBR, 'DisplayName', 'PDR_MEAN');

title('CBR for Movin Ped comparison \lambda = 2');
xlabel('Beacon frequency [Hz]');
xticklabels([1 2 5 10])
ylabel('CBR');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```



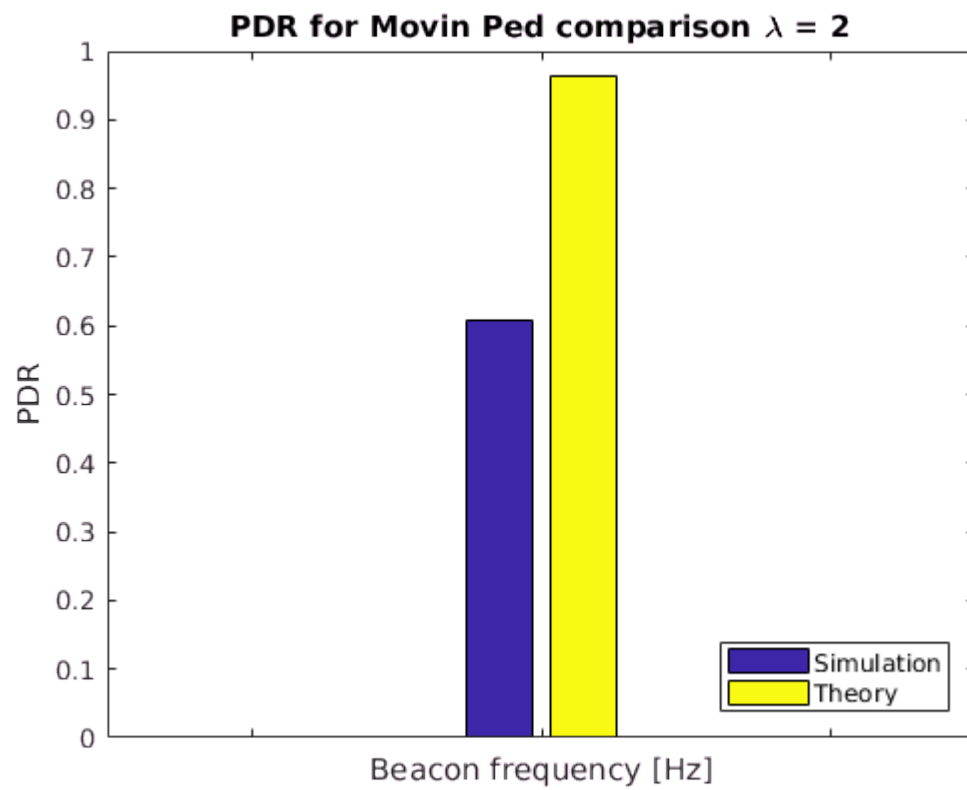
```
Scr_MP_VAP = [VAP_MP(2,:) ; VAP_MP_T(2,:)];
bar(Scr_MP_VAP, 'DisplayName', 'PDR_MEAN');

title('PDR for Movin Ped comparison \lambda = 2');
xlabel('Beacon frequency [Hz]');
xticklabels([1 2 5 10])
ylabel('VAP');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
```



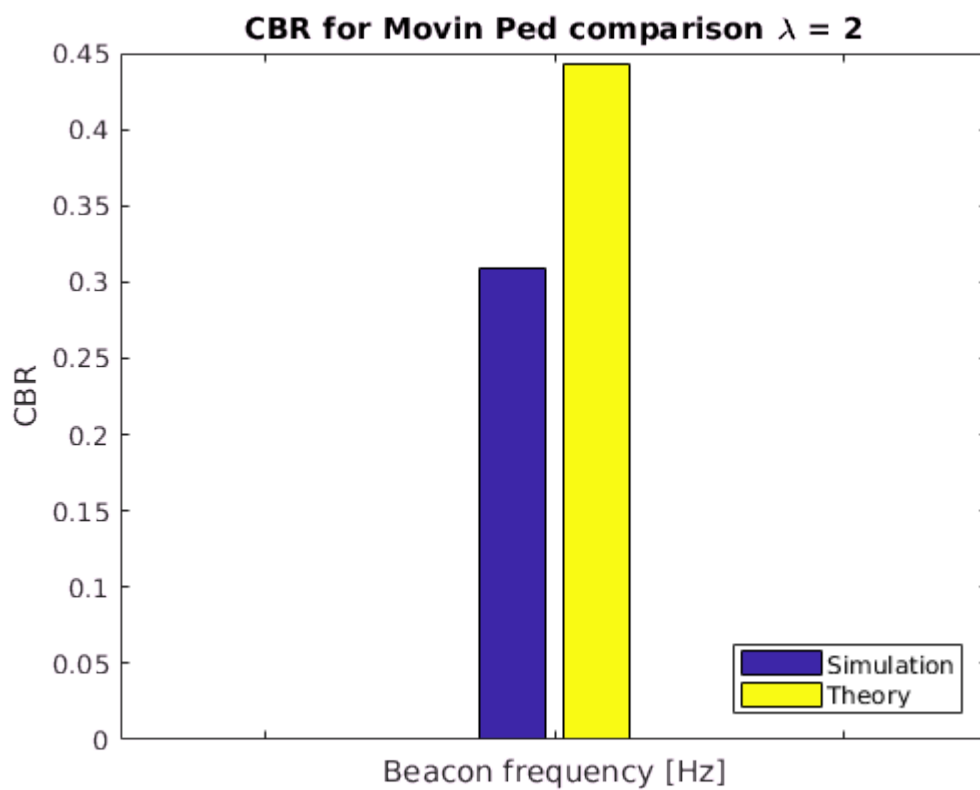
```
Scr_MTX_PDR = [[0 PDR_MTX(2) 0];[0 PDR_MTX_T(2,1) 0]];
bar(Scr_MTX_PDR,'DisplayName','PDR_MEAN');
```

```
title('PDR for Movin Ped comparison \lambda = 2');
xlabel('Beacon frequency [Hz]');
ylabel('PDR');
legend('Simulation','Theory','Location','SouthEast');
xticklabels([])
```



```
Scr_MTX_CBR = [[0 CBR_MTX(2) 0];[0 CBR_MTX_T(2,1) 0]];
bar(Scr_MTX_CBR, 'DisplayName', 'PDR_MEAN');
```

```
title('CBR for Movin Ped comparison \lambda = 2');
xlabel('Beacon frequency [Hz]');
ylabel('CBR');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
xticklabels([])
```

```
Scr_MTX_VAP = [[0 NAR_MTX(2) 0];[0 VAP_MTX_T(2,1) 0]];
bar(Scr_MTX_VAP', 'DisplayName', 'PDR_MEAN');
```

```
title('VAP for Movin Ped comparison \lambda = 2');
xlabel('Beacon frequency [Hz]');
ylabel('VAP');
legend('Simulation', 'Theory', 'Location', 'SouthEast');
xticklabels([])
```

