

LAMPIRAN

Coba RCPC Codes

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

ch_handle=@awgn_EsN0;
parametar.EsN0=-0.8556;
parametar.state=-1;
parametar.Bch=128000;
parametar.Nch=256;

% load('Punct_codes.txt');
Memory=6;
CodeGenerator=[133 171 145];

% Editan program

%Punctcode=[ff,88,00]=[11111111,10001000,00000000];
cd=[0,0,0,24,376,3464,30512,242734,1890790];
Punctcode=[11111111,10001000,00000000];

%Punctcode=[ff,aa,00]=[11111111,10101010,00000000];
% cd=[0,0,0,0,0,12,280,1140,5104,24640,108512];
% Punctcode=[11111111,10101010,00000000];

%Punctcode=[ff,ee,00]=[11111111,11101110,00000000];
% cd=[0,0,0,0,0,0,12,74,386,1162,3542,11666];
% Punctcode=[11111111,11101110,00000000];

%Punctcode=[ff,ff,00]=[11111111,11111111,00000000];
% cd=[0,0,0,0,0,0,0,0,0,288,0,1688,0,11232];
% Punctcode=[11111111,11111111,00000000];

%Punctcode=[ff,ff,88]=[11111111,11111111,10001000];
% cd=[0,0,0,0,0,0,0,0,0,14,82,182,320,810,1882];
% Punctcode=[11111111,11111111,10001000];

%Punctcode=[ff,ff,aa]=[11111111,11111111,11001100];
% cd=[0,0,0,0,0,0,0,0,0,0,8,44,80,138,444,750];
% Punctcode=[11111111,11111111,11001100];
```

```

%Punctcode=[ff,ff,ee]=[11111111,11111111,11101110];
% cd=[0,0,0,0,0,0,0,0,0,0,2,16,70,90,172,474];
% Punctcode=[11111111,11111111,11101110];

%Punctcode=[ff,ff,ff]=[11111111,11111111,11111111];
% cd=[0,0,0,0,0,0,0,0,0,0,0,0,8,0,160,0,424];
% Punctcode=[11111111,11111111,11111111];

%Punctcode=[f7,88,00]=[11110111,10001000,00000000];
% cd=[0,0,24,740,13321,217761,3315491,48278177];
% Punctcode=[11110111,10001000,00000000];

% Batas editan program

signal=round(rand(1,10));

[Memory,Ib,Kb,t,PN,P,TotRate,PunctInd] = get_RCPC_code('8/9');
outsignal = RCPC_encode(signal,Memory,t,P,PunctInd);

[diffvec,BER,PER]=RCPC_test_equal_data(100,528,'AWGN1','1/2',8,0);
% [diffvec,BER,PER]=optimal_RCPC_unequal(100,128,'AWGN1','1/2',8,0);

script_channel_performance(@RCPC_test_equal_packet,100,16,'GE1');
% script_channel_performance(@RCPC_test_equal_packet,100000,16,'GE1');

optimal_RCPC_unequal(2,16,'GE1','Lena512D','draw_small');
% optimal_RCPC_equal(1000,16,'GE1','Lena512RD','draw_small');

```