

```
clear all;
Im=imread('LenaRGB','.bmp');
figure(1), imshow(Im);
lmr=Im(:,:,1);
figure(2), imshow(lmr);
lmg=Im(:,:,2);
figure(3), imshow(lmg);
lmb=Im(:,:,3);
figure(4), imshow(lmb);
lmrs=lmr(1:2:end,1:2:end);
figure(5), imshow(lmrs);
```

```
lmrq=round(double(lmr(:,:,:))/128)*128;
figure(6), imshow(uint8(lmrq));
lmdct=dct2(lmr);
figure(7), imshow(uint8(lmdct));
[N,M]=size(lmdct);
lmdct(:,M/2:M)=0;
lmdct(N/2:N,1:M/2)=0;
lmidct=idct2(lmdct);
figure(8), imshow(uint8(lmidct));
lmdct(1:N/8,1:M/8)=0;
```

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lmycbbc=rgb2ycbcr(lm);
figure(10), imshow(uint8(lmycbbc));
lmiycbbc=ycbcr2rgb(lmycbbc);
figure(11), imshow(uint8(lmiycbbc));
[IA1,IH1,IV1,ID1]=dwt2(lmr,'db1');
figure(12), imshow(uint8(lshow));
[IA2,IH2,IV2,ID2]=dwt2(IA1,'db1');
lshow2=[IA2 IH2; IV2 ID2];
lshow=[lshow2 IH1; IV1 ID1];
figure(13), imshow(uint8(lshow));
ID1(:,:)=0;
ID2(:,:)=0;
liA1=idwt2(IA2,IH2,IV2,ID2,'db1');
limr=idwt2(liA1,IH1,IV1,ID1,'db1');
figure(14), imshow(uint8(limr));

```

- clear all;
- mov1 = avifile('animation.avi');
- nom='Papillon000';
- for m=0:99;
- Im = imread(strcat(nom,num2str(m),'.jpg'));
- mov1 = addframe(mov1,Im);
- end
- mov1 = close(mov1);
- MOV=aviread('animation.avi');
- movie(MOV,1,20);

```
clear all
mov1 = avifile('traffictest.avi');
for k=120:-1:1;
    test = num2str(k);
    test = strcat(test, '.bmp')
    X= imread(test);
    mov1 = addframe(mov1,X);
end
mov1 = close(mov1);
MOV=aviread('traffictest');
movie(MOV);
```

- clear all;
- MOV1=aviread('viptraffic.avi');
- movie(MOV1,1,1);