

Tablas_JPEG

May 3, 2022

1 Matriz de cuantización Luminancia

```
[ ]: Q_Luminance=np.array([
    [16, 11, 10, 16, 24, 40, 51, 61],
    [12, 12, 14, 19, 26, 58, 60, 55],
    [14, 13, 16, 24, 40, 57, 69, 56],
    [14, 17, 22, 29, 51, 87, 80, 62],
    [18, 22, 37, 56, 68, 109, 103, 77],
    [24, 35, 55, 64, 81, 104, 113, 92],
    [49, 64, 78, 87, 103, 121, 120, 101],
    [72, 92, 95, 98, 112, 100, 103, 99]])
```

2 Matriz de cuantización Crominancia

```
[ ]: Q_Chrominance=np.array([
    [17, 18, 24, 47, 99, 99, 99, 99],
    [18, 21, 26, 66, 99, 99, 99, 99],
    [24, 26, 56, 99, 99, 99, 99, 99],
    [47, 66, 99, 99, 99, 99, 99, 99],
    [99, 99, 99, 99, 99, 99, 99, 99],
    [99, 99, 99, 99, 99, 99, 99, 99],
    [99, 99, 99, 99, 99, 99, 99, 99],
    [99, 99, 99, 99, 99, 99, 99, 99]])
```

3 Código de Huffman para los coeficientes AC de la luminancia.

```
[2]: AC_Luminancia=[
    ['00', '01', '100', '1011', '11010',
     '111000', '1111000', '111110110', '111111110000010', '1111111110000011'],
    ['1100', '11011', '1111001', '111110110', '11111110110',
     '111111110000100', '111111110000101', '111111110000110', '111111110000111',
     '1111111110001000'],
    ['111100', '11111001', '1111110111', '11111110100', '111111110001001',
```

```

'111111110001010', '111111110001011', '111111110001100', '111111110001101',␣
  ↳'111111110001110'],
['111010', '111110111', '11111110101', '111111110001111', '111111110010000',
'1111111110010001', '1111111110010010', '1111111110010011', '1111111110010100',␣
  ↳'1111111110010101'],
['111011', '1111111000', '1111111110010110', '1111111110010111',␣
  ↳'1111111110011000',
'1111111110011001', '1111111110011010', '1111111110011011', '1111111110011100',␣
  ↳'1111111110011101'],
['1111010', '11111110111', '1111111110011110', '1111111110011111',␣
  ↳'11111111110100000',
'1111111110100001', '1111111110100010', '1111111110100011', '1111111110100100',␣
  ↳'1111111110100101'],
['1111011', '111111110110', '1111111110100110', '1111111110100111',␣
  ↳'11111111110101000',
'1111111110101001', '1111111110101010', '1111111110101011', '1111111110101100',␣
  ↳'11111111110101101'],
['11111010', '111111110111', '1111111110101110', '1111111110101111',␣
  ↳'11111111110110000',
'1111111110110001', '1111111110110010', '1111111110110011', '1111111110110100',␣
  ↳'11111111110110101'],
['111111000', '111111111000000', '1111111110110110', '1111111110110111',␣
  ↳'11111111110111000',
'1111111110111001', '1111111110111010', '1111111110111011', '1111111110111100',␣
  ↳'11111111110111101'],
['111111001', '1111111110111110', '1111111110111111', '1111111111000000',␣
  ↳'1111111111000001',
'1111111111000010', '1111111111000011', '1111111111000100', '1111111111000101',␣
  ↳'1111111111000110'],
['111111010', '1111111111000111', '1111111111001000', '1111111111001001',␣
  ↳'1111111111001010',
'1111111111001011', '1111111111001100', '1111111111001101', '1111111111001110',␣
  ↳'1111111111001111'],
['1111111001', '1111111111010000', '1111111111010001', '1111111111010010',␣
  ↳'1111111111010011',
'1111111111010100', '1111111111010101', '1111111111010110', '1111111111010111',␣
  ↳'1111111111011000'],
['1111111010', '1111111111011001', '1111111111011010', '1111111111011011',␣
  ↳'1111111111011100',
'1111111111011101', '1111111111011110', '1111111111011111', '1111111111100000',␣
  ↳'1111111111100001'],
['11111111000', '1111111111100010', '1111111111100011', '1111111111100100',␣
  ↳'1111111111100101',
'1111111111100110', '1111111111100111', '1111111111101000', '1111111111101001',␣
  ↳'1111111111101010'],

```

```

['111111111101011', '111111111101100', '111111111101101',␣
 →'111111111101110', '111111111101111',
'11111111110000', '11111111110001', '11111111110010', '11111111110011',␣
 →'11111111110100'],
['11111111110101', '11111111110110', '11111111110111', '1111111111000',
'1111111111001', '1111111111010', '1111111111011', '111111111101',␣
 →'1111111111110',
'1111111111111']]

```

[]: