

## **RESIDUAL IMAGE**

The difference between the original image and Interpolated/sub sampled image is called a Residual Image

$$\text{Residual Image} = X - \hat{X}$$

The prediction image is then subtracted from the original image to generate the residual image.

Prediction image is formed by subsampling and interpolating the original image.

Advantage of residual Image

Easier for compression.