Currently, everybody stores a lot of pictures on numerous devices, like computers or smartphones. Nevertheless, people needs to store more and more pictures, so pictures must be compressed. A compressed picture is lighter than a non-compressed one, but quality is damaging during this process. JPEG format is one of the best because it combines a good compression rate and a good quality. JPEG compression principle is based on Discrete Cosines Transform which transform spatial information into frequencies. High frequencies mean fast intensity changes, well fast intensity changes are occasional in pictures, and human eyes don’t detect it. So these frequencies are deleted during the compress.