

The content of this work is the description of techniques and algorithms, which accelerate loading of sequential JPEG images. To reach this, special methods, such as the elimination of arithmetic computation, the reduction of conditional jumps in the most critical sections, the use of the vector instruction and the multithreaded preloading of images, are used. These techniques are platform independent, except the use of SSE2 vector instructions, which are supported only on the IA-32 platform. The attached computer program demonstrates their real implementation and their efficiency.