

Title: Comparison of different picture resolutions concerning  
the testsequence "SWING"

Source: FRG

The first field of the testsequence "SWING" (see Doc. 297) was applied for the comparison of different picture resolutions. The following picture formats were considered:

1. 360 pel/288 lines (CIF)
2. 240 pel/240 lines
3. 240 pel/192 lines

Both subsampled versions (2. and 3.) show an annoying degradation (blurring) of this particular test image. The importance of a relatively high spatial resolution concerning graphic application is demonstrated. The subsampling and upconversion was vertically and horizontally performed by a 17-tap FIR filter for version 2. and a 11-tap FIR filter for version 3.