Just-noticeable-distortion Profile

• JND Profile
  – provides each signal to be coded with a visibility threshold of distortion, below which reconstruction errors are rendered imperceptible
  – function of local properties
  – three phases in calculation

• Spatial Profile
  – background sensitivity and texture sensitivity are considered

• Spatio-temporal Profile
  – temporal sensitivity is taken into account

• Subband Profile
  – frequency sensitivity is considered
Spatio-temporal JND of Frame 1

Spatio-temporal JND of Frame 2

(JND Subband Profiles)
Frame #1 of "Mobile Calendar"

JND Subband Profiles for Subband 0 to 6