Description of MPEG-7.zip file

This zip file contains 70 excel files with the data to generate the **quality curves**.

The first row of each file contains the following names highlighted in **bold**:

- **Contour**: name of the contour
- N: number of points of the contour
- **BP**: number of break points of the contour
- **L**: length of the contour
- **dFPtC**:
    - D1: farthest distance from contour points to the centroid
- **dFPtMIA**:
    - D2: farthest distant from contour points to the minimum inertia axis
- **DP**: number of dominant points or number of points of the polygonal approximation.
- **Initial**: position of the first point used to generate the global optimal polygonal approximation of the contour with DP points.
- **Lp**: length of polygonal approximation
- **CR**: compression ratio = N / DP
- **ISE**: integral square error
- **Emax**: maximum error
- **WEmax**: Emax / CR
- **FOM**: CR / ISE
- **WE1**: ISE / CR
- **WE2**: ISE / CR^2
- **WE3**: ISE / CR^3
- **MFOM3=ISE x Emax x (DP^3)**
- **L/Emax**
- **WL = (L-Lp)/ (L * CR)**
- **Lp/L**
- **LN=(L-LP)/L**
- **NCR**: normalized compression ratio = 1 / CR = DP / N
- **NISE1**: $\dfrac{2}{1+e^{\frac{-\sqrt{ISE}}{D1}}} - 1$
- **NCA1**: (NCR + NISE1)/2
- **NISE2**: $\dfrac{2}{1+e^{\frac{-\sqrt{ISE}}{D2}}} - 1$
- **NCA2**: (NCR + NISE2)/2
- **NISE3**: $\dfrac{2}{1+e^{\frac{-\sqrt{ISE}}{D3}}} - 1$
    - D3 = (D1+D2)/2
- **NCA3**: (NCR + NISE3)/2
- **BEST**: best value for some measurement

Important note:

- Only the values of NISE3 were used in the document sent to the journal. These values were named NISE.
- D3 is named D in the document sent to the journal.