Resized-PSNR Readme

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email me if you have any problem

Resized-PSNR is a metric to evaluate the objective quality of two video quality with same sampling density in sphere domain.

* Input parameters

(If you add the parameter “-help”: It will give you a hint how to use the software)

Required:

-w: Video width

-h : Video height

-n : Number of frames

-o : Original file

-r: Reconstructed file

Optional:

-x: Index of Image colorspace default: Index=1 (8bit/sample)

(Only Index=1 now)

-f: Index of video format default: Index=0 (Equirectangular)

(Only Equirectangular now)

* Example

Calcultate Resized-PSNR of original video XXXinput.yuv and coded sequence XXXoutput.yuv in root ‘D:\’ with equirectangular format (4096\*2048) for 300 frames (YUV420 8bit/sample)

-w 4096 -h 2048 -n 300 -o D:\XXXinput.yuv -r D:\XXXoutput.yuv

* Remarks

Other formats can also be updated to be evaluated using Resized-PSNR in the future.