

Retargeted Image Number

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Figure 1. The source images for building the image retargeting database

The source images for building the image retargeting database are illustrated in **Figure 1**. There are in total 171 retargeted images in the built database. The retargeted image name and the corresponding number are shown in **Table I**. It can be observed that each source image generates 3 retargeted images by different methods and in different scales.

Table I. The 171 retargeted images and their corresponding image no.

Retargeted image name	Image No.	Retargeted image name	Image No.	Retargeted image name	Image No.
'kodim01_scsc_0.50.png'	1	'kodim13_seam_0.50.bmp'	58	'child_seam_0.50.bmp'	115
'kodim03_scst_0.75.bmp'	2	'kodim14_scst_0.50.bmp'	59	'colosseum_seam_0.50.bmp'	116
'kodim04_crop_0.50.bmp'	3	'kodim16_scst_0.50.bmp'	60	'eagle_seam_0.75.bmp'	117
'kodim05_seam_0.50.bmp'	4	'kodim17_warp_0.75.bmp'	61	'face_scst_0.75.png'	118
'kodim06_scsc_0.75.png'	5	'kodim18_scst_0.50.bmp'	62	'fish_scal_0.50.png'	119
'kodim07_scst_0.75.bmp'	6	'kodim19_scst_0.50.bmp'	63	'fishing_mult_0.50.png'	120
'kodim08_scst_0.50.bmp'	7	'kodim20_warp_0.75.bmp'	64	'getty_stvi_0.75.png'	121
'kodim09_scst_0.50.bmp'	8	'kodim21_scst_0.50.bmp'	65	'girls_stvi_0.75.png'	122
'kodim10_crop_0.50.bmp'	9	'kodim22_warp_0.50.bmp'	66	'jon_seam_0.50.png'	123
'kodim11_scal_0.50.bmp'	10	'kodim23_scst_0.50.bmp'	67	'kids_seam_0.50.bmp'	124
'kodim12_scal_0.50.bmp'	11	'kodim24_shif_0.75.bmp'	68	'kodim02_seam_0.50.bmp'	125
'kodim13_crop_0.50.bmp'	12	'monarch_seam_0.50.bmp'	69	'kodim15_seam_0.75.bmp'	126
'kodim14_crop_0.50.bmp'	13	'ArtRoom_crop_0.50.bmp'	70	'mnm_seam_0.50.bmp'	127
'kodim16_scal_0.50.bmp'	14	'Lotus_scal_0.50.png'	71	'obama_mult_0.75.png'	128
'kodim17_crop_0.50.bmp'	15	'Perissa_Santorini_crop_0.50.png'	72	'pencils_stvi_0.75.png'	129
'kodim18_scal_0.50.bmp'	16	'Sanfrancisco_crop_0.50.bmp'	73	'penguins_scst_0.75.png'	130
'kodim19_scsc_0.50.png'	17	'Umdan_ener_0.50.png'	74	'pigeons_mult_0.50.png'	131
'kodim20_seam_0.50.bmp'	18	'bicycle1_scal_0.75.bmp'	75	'ski_mult_0.50.png'	132
'kodim21_scal_0.50.bmp'	19	'blueman_crop_0.50.bmp'	76	'soccer_seam_0.75.bmp'	133
'kodim22_seam_0.50.bmp'	20	'buddha_mult_0.75.png'	77	'surfer_seam_0.50.bmp'	134
'kodim23_scsc_0.50.png'	21	'butterfly_scal_0.50.png'	78	'tiger_seam_0.50.bmp'	135
'kodim24_seam_0.50.bmp'	22	'car1_seam_0.50.bmp'	79	'venice_shif_0.50.bmp'	136
'monarch_crop_0.75.bmp'	23	'car_crop_0.50.bmp'	80	'volleyball_seam_0.50.bmp'	137
'kodim01_scsc_0.75.png'	24	'child_scal_0.50.bmp'	81	'ArtRoom_seam_0.50.bmp'	138
'kodim03_seam_0.50.bmp'	25	'colosseum_crop_0.50.bmp'	82	'Lotus_warp_0.50.png'	139
'kodim04_scsc_0.75.png'	26	'eagle_scal_0.50.bmp'	83	'Perissa_Santorini_shif_0.50.png'	140
'kodim05_warp_0.50.bmp'	27	'face_ener_0.75.png'	84	'Sanfrancisco_warp_0.50.bmp'	141
'kodim06_scst_0.50.bmp'	28	'fish_mult_0.50.png'	85	'Umdan_seam_0.50.png'	142
'kodim07_seam_0.50.bmp'	29	'fishing_ener_0.50.png'	86	'bicycle1_shif_0.50.bmp'	143
'kodim08_seam_0.50.bmp'	30	'getty_seam_0.75.bmp'	87	'blueman_seam_0.50.bmp'	144
'kodim09_seam_0.50.bmp'	31	'girls_seam_0.50.bmp'	88	'buddha_seam_0.75.png'	145
'kodim10_scsc_0.75.png'	32	'jon_ener_0.50.png'	89	'butterfly_warp_0.50.png'	146
'kodim11_scst_0.50.bmp'	33	'kids_crop_0.75.png'	90	'car1_warp_0.50.bmp'	147
'kodim12_scsc_0.50.png'	34	'kodim02_scsc_0.50.png'	91	'car_warp_0.50.bmp'	148
'kodim13_scst_0.50.bmp'	35	'kodim15_scsc_0.50.png'	92	'child_warp_0.50.bmp'	149
'kodim14_scal_0.75.bmp'	36	'mnm_scst_0.75.png'	93	'colosseum_shif_0.50.bmp'	150
'kodim16_scsc_0.50.png'	37	'obama_ener_0.75.png'	94	'eagle_warp_0.50.bmp'	151
'kodim17_seam_0.50.bmp'	38	'pencils_seam_0.50.bmp'	95	'face_seam_0.50.bmp'	152
'kodim18_scsc_0.75.png'	39	'penguins_scal_0.50.bmp'	96	'fish_shif_0.50.png'	153
'kodim19_scsc_0.75.png'	40	'pigeons_ener_0.50.png'	97	'fishing_warp_0.50.png'	154
'kodim20_shif_0.50.bmp'	41	'ski_ener_0.50.png'	98	'getty_warp_0.50.bmp'	155
'kodim21_scsc_0.75.png'	42	'soccer_seam_0.50.bmp'	99	'girls_warp_0.50.bmp'	156
'kodim22_seam_0.75.bmp'	43	'surfer_crop_0.50.bmp'	100	'jon_stvi_0.50.png'	157
'kodim23_scsc_0.75.png'	44	'tiger_ener_0.75.png'	101	'kids_warp_0.50.bmp'	158
'kodim24_seam_0.75.bmp'	45	'venice_seam_0.50.bmp'	102	'kodim02_shif_0.50.bmp'	159
'monarch_scst_0.50.bmp'	46	'volleyball_mult_0.75.png'	103	'kodim15_shif_0.75.bmp'	160
'kodim01_scst_0.50.bmp'	47	'ArtRoom_scal_0.50.bmp'	104	'mnm_stvi_0.75.png'	161
'kodim03_seam_0.75.bmp'	48	'Lotus_scst_0.50.png'	105	'obama_warp_0.50.bmp'	162
'kodim04_seam_0.50.bmp'	49	'Perissa_Santorini_mult_0.50.png'	106	'pencils_warp_0.50.bmp'	163
'kodim05_warp_0.75.bmp'	50	'Sanfrancisco_seam_0.50.bmp'	107	'penguins_seam_0.75.bmp'	164
'kodim06_shif_0.50.bmp'	51	'Umdan_scst_0.50.png'	108	'pigeons_warp_0.50.png'	165
'kodim07_seam_0.75.bmp'	52	'bicycle1_seam_0.50.bmp'	109	'ski_warp_0.50.png'	166
'kodim08_seam_0.75.bmp'	53	'blueman_scal_0.50.bmp'	110	'soccer_warp_0.50.bmp'	167
'kodim09_seam_0.75.bmp'	54	'buddha_seam_0.50.bmp'	111	'surfer_warp_0.50.bmp'	168
'kodim10_seam_0.50.bmp'	55	'butterfly_shif_0.50.png'	112	'tiger_stvi_0.75.png'	169
'kodim11_seam_0.50.bmp'	56	'car1_shif_0.50.bmp'	113	'venice_warp_0.75.png'	170
'kodim12_scst_0.50.bmp'	57	'car_seam_0.50.bmp'	114	'volleyball_warp_0.50.bmp'	171