

number of frame displacement with foreground remove

|    |          |
|----|----------|
| 1  | 0.271356 |
| 2  | 0.265157 |
| 3  | 0.281043 |
| 4  | 0.290139 |
| 5  | 0.302482 |
| 6  | 0.261009 |
| 7  | 0.287031 |
| 8  | 0.267817 |
| 9  | 0.275035 |
| 10 | 0.259756 |
| 11 | 0.245349 |
| 12 | 0.289155 |
| 13 | 0.293117 |
| 14 | 0.279106 |
| 15 | 0.236945 |
| 16 | 0.270056 |
| 17 | 0.244988 |
| 18 | 0.237448 |
| 19 | 0.244561 |
| 20 | 0.254324 |
| 21 | 0.247253 |
| 22 | 3.03359  |
| 23 | 0.815458 |
| 24 | 1.00654  |
| 25 | 0.865667 |
| 26 | 1.03133  |
| 27 | 1.20814  |
| 28 | 1.68257  |
| 29 | 1.2475   |
| 30 | 1.18985  |
| 31 | 0.728364 |
| 32 | 0.164376 |
| 33 | 0.24571  |
| 34 | 0.024504 |
| 35 | 0.077468 |
| 36 | 0.186617 |
| 37 | 1.6181   |
| 38 | 1.46031  |
| 39 | 0.415009 |
| 40 | 0.410253 |
| 41 | 0.560945 |
| 42 | 1.14876  |
| 43 | 0.795449 |
| 44 | 0.769678 |
| 45 | 0.96044  |
| 46 | 0.407636 |

|    |          |
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| 47 | 0.812249 |
| 48 | 0.837182 |
| 49 | 0.506381 |
| 50 | 1.57307  |
| 51 | 1.2648   |
| 52 | 0.641325 |
| 53 | 1.21685  |
| 54 | 1.62852  |
| 55 | 0.839434 |
| 56 | 0.738421 |
| 57 | 0.626827 |
| 58 | 0.195933 |
| 59 | 0.170754 |
| 60 | 0.219603 |
| 61 | 0.685803 |
| 62 | 0.846002 |
| 63 | 0.615376 |
| 64 | 0.43598  |
| 65 | 0.413188 |
| 66 | 0.494998 |
| 67 | 0.56516  |
| 68 | 0.43023  |
| 69 | 0.799004 |
| 70 | 0.870579 |
| 71 | 0.535254 |
| 72 | 0.574207 |
| 73 | 0.336787 |
| 74 | 0.063432 |
| 75 | 0.301342 |
| 76 | 0.377474 |
| 77 | 0.187019 |
| 78 | 0.183748 |
| 79 | 0.274945 |
| 80 | 0.115336 |
| 81 | 0.019281 |
| 82 | 0.091714 |
| 83 | 0.304771 |
| 84 | 0.353642 |
| 85 | 0.220949 |
| 86 | 0.53656  |
| 87 | 0.6161   |
| 88 | 0.571072 |
| 89 | 0.858598 |
| 90 | 0.662496 |
| 91 | 0.772169 |
| 92 | 0.78877  |
| 93 | 0.398559 |

|     |          |
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| 94  | 0.201582 |
| 95  | 0.027389 |
| 96  | 0.131196 |
| 97  | 0.297876 |
| 98  | 0.236534 |
| 99  | 0.514713 |
| 100 | 0.341859 |
| 101 | 0.224733 |
| 102 | 0.31689  |
| 103 | 0.773943 |
| 104 | 0.291845 |
| 105 | 0.163832 |
| 106 | 0.231992 |
| 107 | 0.54871  |
| 108 | 1.01597  |
| 109 | 0.955652 |
| 110 | 0.346973 |
| 111 | 0.70491  |
| 112 | 1.38293  |
| 113 | 0.89943  |
| 114 | 0.134443 |
| 115 | 0.606826 |
| 116 | 0.613557 |
| 117 | 0.25793  |
| 118 | 0.385051 |
| 119 | 0.360019 |
| 120 | 0.435043 |
| 121 | 0.232937 |
| 122 | 0.322693 |
| 123 | 0.075557 |
| 124 | 0.223259 |
| 125 | 0.26725  |
| 126 | 0.052963 |
| 127 | 0.002759 |
| 128 | 0.17031  |
| 129 | 0.267218 |
| 130 | 0.249338 |
| 131 | 0.297398 |
| 132 | 0.119698 |
| 133 | 0.371123 |
| 134 | 0.427579 |
| 135 | 0.437914 |
| 136 | 0.132027 |
| 137 | 0.623762 |
| 138 | 0.95278  |
| 139 | 0.339105 |
| 140 | 0.191204 |

|     |          |
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| 141 | 0.845123 |
| 142 | 0.367616 |
| 143 | 0.578858 |
| 144 | 0.659169 |
| 145 | 0.354974 |
| 146 | 0.416805 |
| 147 | 0.150459 |
| 148 | 0.078019 |
| 149 | 0.088096 |
| 150 | 0.098028 |
| 151 | 0.14516  |
| 152 | 0.138295 |
| 153 | 0.043336 |
| 154 | 0.007918 |
| 155 | 0.096093 |
| 156 | 0.056265 |
| 157 | 0.006931 |
| 158 | 0.026623 |
| 159 | 0.241114 |
| 160 | 0.226906 |
| 161 | 0.135173 |
| 162 | 0.139371 |
| 163 | 0.453662 |
| 164 | 0.631261 |
| 165 | 0.139061 |
| 166 | 0.985063 |
| 167 | 1.05442  |
| 168 | 0.217626 |
| 169 | 0.054804 |
| 170 | 0.303717 |
| 171 | 0.708808 |
| 172 | 0.223169 |
| 173 | 0.148925 |
| 174 | 0.093777 |
| 175 | 0.155035 |
| 176 | 0.138569 |
| 177 | 0.200362 |
| 178 | 0.246945 |
| 179 | 0.134532 |
| 180 | 0.243237 |
| 181 | 0.109259 |
| 182 | 0.229003 |
| 183 | 0.302329 |
| 184 | 0.176626 |
| 185 | 0.131884 |
| 186 | 0.168651 |
| 187 | 0.138181 |

|     |          |
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| 188 | 0.150275 |
| 189 | 0.18764  |
| 190 | 0.145976 |
| 191 | 0.28971  |
| 192 | 0.346284 |
| 193 | 0.342391 |
| 194 | 0.140642 |
| 195 | 0.155064 |
| 196 | 0.164929 |
| 197 | 0.164162 |
| 198 | 0.183158 |
| 199 | 0.13357  |
| 200 | 0.298559 |
| 201 | 0.13072  |
| 202 | 0.150236 |
| 203 | 0.097115 |
| 204 | 0.149083 |
| 205 | 0.158426 |
| 206 | 0.134027 |
| 207 | 0.12037  |
| 208 | 0.146267 |
| 209 | 0.108158 |
| 210 | 0.111957 |
| 211 | 0.09289  |
| 212 | 0.107602 |
| 213 | 0.137943 |
| 214 | 0.108548 |
| 215 | 0.032781 |
| 216 | 0.104061 |
| 217 | 0.063779 |
| 218 | 0.132647 |
| 219 | 0.119509 |
| 220 | 0.156968 |
| 221 | 0.118296 |
| 222 | 0.126011 |
| 223 | 0.094271 |
| 224 | 0.084083 |
| 225 | 0.141659 |
| 226 | 0.160015 |
| 227 | 0.138747 |
| 228 | 0.173138 |
| 229 | 0.16097  |
| 230 | 0.114822 |
| 231 | 0.195575 |
| 232 | 0.093086 |
| 233 | 0.076054 |
| 234 | 0.146421 |

|     |          |
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| 235 | 0.171254 |
| 236 | 0.163045 |
| 237 | 0.25647  |
| 238 | 0.191464 |
| 239 | 0.140346 |
| 240 | 0.143987 |
| 241 | 0.223783 |
| 242 | 0.157204 |
| 243 | 0.249317 |
| 244 | 0.227731 |
| 245 | 0.263354 |
| 246 | 0.219303 |
| 247 | 0.155801 |
| 248 | 0.196869 |
| 249 | 0.160513 |
| 250 | 0.158362 |
| 251 | 0.1333   |
| 252 | 0.177228 |
| 253 | 0.16673  |
| 254 | 0.193505 |
| 255 | 0.134829 |
| 256 | 0.124952 |
| 257 | 0.105507 |
| 258 | 0.109841 |
| 259 | 0.115967 |
| 260 | 0.135711 |
| 261 | 0.049151 |
| 262 | 0.090883 |
| 263 | 0.1545   |
| 264 | 0.070919 |
| 265 | 0.167007 |
| 266 | 0.129032 |
| 267 | 0.154141 |
| 268 | 0.137874 |
| 269 | 0.130347 |
| 270 | 0.286683 |
| 271 | 0.14794  |
| 272 | 0.18234  |
| 273 | 0.189671 |
| 274 | 0.167568 |
| 275 | 0.20549  |
| 276 | 0.18139  |
| 277 | 0.161214 |
| 278 | 0.180695 |
| 279 | 0.156478 |
| 280 | 0.231767 |
| 281 | 0.211678 |

|     |          |
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| 282 | 0.313595 |
| 283 | 0.202024 |
| 284 | 0.26091  |
| 285 | 0.225068 |
| 286 | 0.229076 |
| 287 | 0.168337 |
| 288 | 0.259782 |
| 289 | 0.15576  |
| 290 | 0.251085 |
| 291 | 0.174885 |
| 292 | 0.185175 |
| 293 | 0.138936 |
| 294 | 0.160778 |
| 295 | 0.124463 |
| 296 | 0.17878  |
| 297 | 0.223734 |
| 298 | 0.159461 |
| 299 | 0.176884 |
| 300 | 0.130881 |
| 301 | 0.151427 |
| 302 | 0.136284 |
| 303 | 0.193138 |
| 304 | 0.230289 |
| 305 | 0.143013 |
| 306 | 0.149533 |
| 307 | 0.252143 |
| 308 | 0.115647 |
| 309 | 0.256881 |
| 310 | 0.121396 |
| 311 | 0.214864 |
| 312 | 0.08093  |
| 313 | 0.077769 |
| 314 | 0.082073 |
| 315 | 0.079751 |
| 316 | 0.038796 |
| 317 | 0.061982 |
| 318 | 0.078879 |
| 319 | 0.057232 |
| 320 | 0.012012 |
| 321 | 0.035905 |
| 322 | 0.016453 |
| 323 | 0.023919 |
| 324 | 0.031989 |
| 325 | 0.114732 |
| 326 | 0.004441 |
| 327 | 0.064478 |
| 328 | 0.013665 |

|     |          |
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| 329 | 0.076707 |
| 330 | 0.012039 |
| 331 | 0.059814 |
| 332 | 0.028333 |
| 333 | 0.071682 |
| 334 | 0.095699 |
| 335 | 0.011652 |
| 336 | 0.095579 |
| 337 | 0.110448 |
| 338 | 0.055686 |
| 339 | 0.079785 |
| 340 | 0.062895 |
| 341 | 0.117312 |
| 342 | 0.139697 |
| 343 | 0.199148 |
| 344 | 0.175734 |
| 345 | 0.132421 |
| 346 | 0.136448 |
| 347 | 0.08073  |
| 348 | 0.093177 |
| 349 | 0.10433  |
| 350 | 0.110205 |
| 351 | 0.072898 |
| 352 | 0.146074 |
| 353 | 0.117297 |
| 354 | 0.096874 |
| 355 | 0.074233 |
| 356 | 0.067875 |
| 357 | 0.09604  |
| 358 | 0.105697 |
| 359 | 0.106738 |
| 360 | 0.23901  |
| 361 | 0.068348 |
| 362 | 0.131688 |
| 363 | 0.089079 |
| 364 | 0.092149 |
| 365 | 0.130225 |
| 366 | 0.094881 |
| 367 | 0.058551 |
| 368 | 0.160045 |
| 369 | 0.054378 |
| 370 | 0.126763 |
| 371 | 0.055506 |
| 372 | 0.174644 |
| 373 | 0.076078 |
| 374 | 0.092833 |
| 375 | 0.212825 |



|     |          |
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| 376 | 0.198343 |
| 377 | 0.230794 |
| 378 | 0.15944  |
| 379 | 0.221122 |
| 380 | 0.166534 |
| 381 | 0.305846 |
| 382 | 0.42301  |
| 383 | 0.235284 |
| 384 | 0.275082 |
| 385 | 0.298402 |
| 386 | 0.386148 |
| 387 | 0.336892 |
| 388 | 0.232157 |
| 389 | 0.194502 |
| 390 | 0.232103 |
| 391 | 0.176506 |
| 392 | 0.22378  |
| 393 | 0.170575 |
| 394 | 0.214759 |
| 395 | 0.154555 |
| 396 | 0.174015 |
| 397 | 0.212426 |
| 398 | 0.115094 |
| 399 | 0.070452 |
| 400 | 0.092904 |
| 401 | 0.152486 |
| 402 | 0.167543 |
| 403 | 0.137045 |
| 404 | 0.161618 |
| 405 | 0.151804 |
| 406 | 0.091345 |
| 407 | 0.162247 |
| 408 | 0.249167 |
| 409 | 0.017996 |
| 410 | 0.774157 |
| 411 | 0.337001 |
| 412 | 0.139234 |
| 413 | 0.145796 |
| 414 | 0.170657 |
| 415 | 0.174392 |
| 416 | 0.067824 |
| 417 | 0.280971 |
| 418 | 0.325643 |
| 419 | 0.03771  |
| 420 | 0.131957 |
| 421 | 0.109811 |
| 422 | 0.114309 |

|     |          |
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| 423 | 0.108475 |
| 424 | 0.071529 |
| 425 | 0.059434 |
| 426 | 0.092656 |
| 427 | 0.095188 |
| 428 | 0.112823 |
| 429 | 0.073245 |
| 430 | 0.065315 |
| 431 | 0.039989 |
| 432 | 0.013575 |
| 433 | 0.084731 |
| 434 | 0.004326 |
| 435 | 0.027186 |
| 436 | 0.186025 |
| 437 | 0.198131 |
| 438 | 0.271094 |
| 439 | 0.068201 |
| 440 | 0.067597 |
| 441 | 0.042831 |
| 442 | 0.051449 |
| 443 | 0.066569 |
| 444 | 0.077774 |
| 445 | 0.06833  |
| 446 | 0.080286 |
| 447 | 0.073991 |
| 448 | 0.085454 |
| 449 | 0.102716 |
| 450 | 0.025525 |
| 451 | 0.00652  |
| 452 | 0.026228 |
| 453 | 0.05928  |
| 454 | 0.005871 |
| 455 | 0.096968 |
| 456 | 0.013313 |
| 457 | 0.007604 |
| 458 | 0.097321 |
| 459 | 0.186273 |
| 460 | 0.240348 |
| 461 | 0.017667 |
| 462 | 0.142355 |
| 463 | 0.282766 |
| 464 | 0.177629 |
| 465 | 0.077895 |
| 466 | 0.093282 |
| 467 | 0.166812 |
| 468 | 0.131657 |
| 469 | 0.103676 |

|     |          |
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| 470 | 0.133558 |
| 471 | 0.082984 |
| 472 | 0.081416 |
| 473 | 0.071839 |
| 474 | 0.078187 |
| 475 | 0.104637 |
| 476 | 0.13422  |
| 477 | 0.261423 |
| 478 | 0.120574 |
| 479 | 0.153528 |
| 480 | 0.257649 |
| 481 | 0.307083 |
| 482 | 0.111064 |
| 483 | 0.23544  |
| 484 | 0.32428  |
| 485 | 0.159888 |
| 486 | 0.247154 |
| 487 | 0.258375 |
| 488 | 0.241914 |
| 489 | 0.128743 |
| 490 | 0.108906 |
| 491 | 0.141453 |
| 492 | 0.092118 |
| 493 | 0.06721  |
| 494 | 0.189784 |
| 495 | 0.164686 |
| 496 | 0.084269 |
| 497 | 0.209696 |
| 498 | 0.205205 |
| 499 | 0.183427 |
| 500 | 0.105922 |
| 501 | 0.214919 |
| 502 | 0.201488 |
| 503 | 0.097021 |
| 504 | 0.11994  |
| 505 | 0.052262 |
| 506 | 0.182738 |
| 507 | 0.034019 |
| 508 | 0.187415 |
| 509 | 0.142027 |
| 510 | 0.048869 |
| 511 | 0.105899 |
| 512 | 0.167813 |
| 513 | 0.508811 |
| 514 | 0.177761 |
| 515 | 0.036378 |
| 516 | 0.006028 |

|     |          |
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| 517 | 0.045306 |
| 518 | 0.076083 |
| 519 | 0.043333 |
| 520 | 0.041336 |
| 521 | 0.031371 |
| 522 | 0.06755  |
| 523 | 0.083451 |
| 524 | 0.037798 |
| 525 | 0.060069 |
| 526 | 0.055065 |
| 527 | 0.145272 |
| 528 | 0.107394 |
| 529 | 0.186529 |
| 530 | 0.119471 |
| 531 | 0.140718 |
| 532 | 0.18958  |
| 533 | 0.171163 |
| 534 | 0.184901 |
| 535 | 0.115279 |
| 536 | 0.131922 |
| 537 | 0.129846 |
| 538 | 0.127468 |
| 539 | 0.072908 |
| 540 | 0.174234 |
| 541 | 0.032622 |
| 542 | 0.009734 |
| 543 | 0.001853 |
| 544 | 0.010734 |
| 545 | 0.024702 |
| 546 | 0.069516 |
| 547 | 0.077439 |
| 548 | 0.051334 |
| 549 | 0.063084 |
| 550 | 0.039392 |
| 551 | 0.070743 |
| 552 | 0.028037 |
| 553 | 0.116302 |
| 554 | 0.080205 |
| 555 | 0.020705 |
| 556 | 0.110988 |
| 557 | 0.067853 |
| 558 | 0.126736 |
| 559 | 0.014829 |
| 560 | 0.021792 |
| 561 | 0.06185  |
| 562 | 0.068659 |
| 563 | 0.107658 |

|      |          |
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| 564  | 0.061982 |
| 565  | 0.054779 |
| 566  | 0.078003 |
| 567  | 0.095174 |
| 568  | 0.095755 |
| 569  | 0.07182  |
| 570  | 0.100185 |
| 571  | 0.106523 |
| 572  | 0.08713  |
| AMDE | 0.238678 |