## velocities
| x | y | z1 | z2 |
| --- | --- | --- | --- |
| -0.0434 | -0.0204 | 0.0148 | 0.0149 |
| -0.0424 | -0.0229 | 0.0134 | 0.0144 |
| -0.0456 | -0.0245 | 0.0112 | 0.0121 |
| -0.0492 | -0.0340 | 0.0092 | 0.0131 |
| -0.0587 | -0.0332 | 0.0087 | 0.0102 |
| -0.0621 | -0.0325 | 0.0097 | 0.0080 |
| -0.0601 | -0.0273 | 0.0104 | 0.0074 |
| -0.0492 | -0.0277 | 0.0076 | 0.0051 |
| -0.0411 | -0.0303 | 0.0051 | 0.0054 |
| -0.0387 | -0.0326 | 0.0043 | 0.0042 |
| -0.0536 | -0.0307 | 0.0065 | 0.0045 |
| -0.0682 | -0.0355 | 0.0058 | 0.0041 |
| -0.0649 | -0.0351 | 0.0078 | 0.0049 |
| -0.0623 | -0.0289 | 0.0069 | 0.0064 |
| -0.0621 | -0.0364 | 0.0081 | 0.0064 |
| -0.0563 | -0.0351 | 0.0109 | 0.0079 |
| -0.0665 | -0.0360 | 0.0131 | 0.0083 |
| -0.0616 | -0.0289 | 0.0139 | 0.0105 |
| -0.0706 | -0.0378 | 0.0124 | 0.0124 |
| -0.0782 | -0.0402 | 0.0147 | 0.0127 |
| -0.0786 | -0.0372 | 0.0164 | 0.0139 |
| -0.0809 | -0.0418 | 0.0140 | 0.0119 |
| -0.0830 | -0.0424 | 0.0142 | 0.0110 |
| -0.0783 | -0.0325 | 0.0131 | 0.0099 |
| -0.0844 | -0.0336 | 0.0110 | 0.0093 |
| -0.0765 | -0.0193 | 0.0120 | 0.0092 |
| -0.0762 | -0.0271 | 0.0159 | 0.0137 |
| -0.0782 | -0.0342 | 0.0197 | 0.0159 |
| -0.0905 | -0.0543 | 0.0074 | 0.0070 |
| -0.0823 | -0.0418 | 0.0029 | 0.0000 |
| -0.0684 | -0.0339 | 0.0051 | 0.0030 |
| -0.0587 | -0.0321 | 0.0121 | 0.0052 |
| -0.0577 | -0.0384 | 0.0094 | 0.0030 |
| -0.0639 | -0.0368 | 0.0050 | 0.0029 |
| -0.0705 | -0.0319 | 0.0056 | 0.0043 |
| -0.0772 | -0.0263 | 0.0070 | 0.0056 |
| -0.0769 | -0.0250 | 0.0062 | 0.0044 |
| -0.0731 | -0.0305 | 0.0108 | 0.0074 |
| -0.0869 | -0.0391 | 0.0105 | 0.0075 |
| -0.0978 | -0.0341 | 0.0027 | -0.0005 |
| -0.0945 | -0.0393 | -0.0036 | -0.0055 |
| -0.0860 | -0.0325 | -0.0078 | -0.0154 |
| -0.0602 | -0.0291 | -0.0126 | -0.0184 |
| -0.0647 | -0.0368 | -0.0109 | -0.0132 |
| -0.0841 | -0.0463 | -0.0086 | -0.0089 |
| -0.0760 | -0.0452 | -0.0045 | -0.0081 |
| -0.0691 | -0.0469 | -0.0030 | -0.0084 |
| -0.0702 | -0.0494 | -0.0017 | -0.0076 |
| -0.0687 | -0.0572 | 0.0014 | -0.0073 |
| -0.0595 | -0.0806 | 0.0012 | -0.0086 |
| -0.0727 | -0.1021 | -0.0052 | -0.0160 |
| -0.0702 | -0.0949 | -0.0139 | -0.0200 |
| -0.0984 | -0.0698 | -0.0178 | -0.0249 |
| -0.0673 | -0.0168 | -0.0494 | -0.0507 |
| -0.0699 | -0.0383 | -0.0417 | -0.0454 |
| -0.0939 | -0.0557 | -0.0486 | -0.0488 |
| -0.0810 | -0.0325 | -0.0520 | -0.0620 |
| -0.0499 | 0.0002 | -0.0638 | -0.0674 |
| -0.0375 | -0.0023 | -0.0614 | -0.0598 |
| -0.0308 | -0.0014 | -0.0484 | -0.0493 |
| -0.0569 | -0.0019 | -0.0445 | -0.0452 |
| -0.0493 | 0.0040 | -0.0400 | -0.0463 |
| -0.0501 | -0.0073 | -0.0417 | -0.0490 |
| -0.0434 | -0.0075 | -0.0417 | -0.0466 |
| -0.0476 | 0.0048 | -0.0390 | -0.0436 |
| -0.0368 | -0.0075 | -0.0314 | -0.0348 |
| -0.0496 | -0.0187 | -0.0306 | -0.0329 |
| -0.0435 | -0.0183 | -0.0330 | -0.0372 |
| -0.0258 | -0.0204 | -0.0275 | -0.0355 |
| -0.0405 | -0.0296 | -0.0295 | -0.0324 |
| -0.0561 | -0.0347 | -0.0259 | -0.0287 |
| -0.0690 | -0.0372 | -0.0249 | -0.0310 |
| -0.0587 | -0.0448 | -0.0258 | -0.0339 |
| -0.0608 | -0.0379 | -0.0299 | -0.0326 |
| -0.0553 | -0.0355 | -0.0261 | -0.0275 |
| -0.0620 | -0.0284 | -0.0257 | -0.0264 |
| -0.0671 | -0.0242 | -0.0237 | -0.0265 |
| -0.0521 | -0.0063 | -0.0226 | -0.0284 |
| -0.0351 | -0.0085 | -0.0208 | -0.0272 |
| -0.0206 | -0.0052 | -0.0138 | -0.0168 |
| -0.0342 | 0.0009 | -0.0075 | -0.0071 |
| -0.0517 | -0.0067 | -0.0034 | -0.0060 |
| -0.0613 | -0.0376 | -0.0092 | -0.0180 |
| -0.0640 | -0.0480 | -0.0151 | -0.0211 |
| -0.0585 | -0.0374 | -0.0115 | -0.0154 |
| -0.0382 | -0.0241 | -0.0009 | 0.0033 |
| -0.0535 | -0.0438 | 0.0111 | 0.0127 |
| -0.0611 | -0.0481 | 0.0117 | 0.0096 |
| -0.0660 | -0.0248 | 0.0080 | 0.0089 |
| -0.0597 | -0.0033 | 0.0048 | 0.0029 |
| -0.0554 | 0.0060 | 0.0041 | 0.0009 |
| -0.0425 | -0.0055 | 0.0066 | 0.0036 |
| -0.0447 | -0.0172 | 0.0068 | 0.0031 |
| -0.0504 | -0.0200 | 0.0054 | 0.0022 |
| -0.0421 | -0.0194 | 0.0068 | 0.0007 |
| -0.0407 | -0.0246 | 0.0079 | 0.0011 |
| -0.0502 | -0.0301 | 0.0038 | 0.0004 |
| -0.0496 | -0.0343 | 0.0017 | 0.0000 |
| -0.0358 | -0.0315 | 0.0054 | 0.0016 |
| -0.0431 | -0.0317 | 0.0023 | 0.0033 |
| -0.0421 | -0.0366 | 0.0050 | 0.0031 |
| -0.0376 | -0.0374 | 0.0048 | 0.0047 |
| -0.0483 | -0.0382 | 0.0032 | 0.0036 |
| -0.0512 | -0.0428 | 0.0074 | 0.0049 |
| -0.0437 | -0.0412 | 0.0084 | 0.0064 |
| -0.0476 | -0.0511 | 0.0101 | 0.0079 |
| -0.0456 | -0.0452 | 0.0102 | 0.0097 |
| -0.0725 | -0.0402 | 0.0121 | 0.0087 |
| -0.0659 | -0.0464 | 0.0052 | 0.0039 |
| -0.0674 | -0.0430 | 0.0006 | -0.0058 |
| -0.0476 | -0.0149 | -0.0025 | -0.0057 |
| -0.0475 | -0.0336 | 0.0015 | -0.0003 |
| -0.0592 | -0.0402 | 0.0004 | -0.0060 |
| -0.0551 | -0.0347 | -0.0037 | -0.0084 |
| -0.0709 | -0.0380 | -0.0052 | -0.0036 |
| -0.0727 | -0.0335 | -0.0019 | -0.0036 |
| -0.0558 | -0.0240 | 0.0025 | -0.0022 |
| -0.0668 | -0.0231 | 0.0059 | 0.0014 |
| -0.0694 | -0.0289 | 0.0032 | 0.0021 |
| -0.0617 | -0.0325 | 0.0047 | 0.0017 |
| -0.0704 | -0.0424 | 0.0024 | -0.0033 |
| -0.0618 | -0.0509 | -0.0057 | -0.0136 |
| -0.0466 | -0.0250 | -0.0062 | -0.0065 |
| -0.0739 | -0.0404 | 0.0045 | -0.0002 |
| -0.0756 | -0.0343 | -0.0003 | -0.0041 |
| -0.0723 | -0.0410 | -0.0031 | -0.0065 |
| -0.0671 | -0.0410 | -0.0034 | -0.0088 |
| -0.0656 | -0.0331 | -0.0093 | -0.0157 |
| -0.0583 | -0.0329 | -0.0083 | -0.0134 |
| -0.0664 | -0.0365 | -0.0098 | -0.0149 |
| -0.0609 | -0.0267 | -0.0092 | -0.0163 |
| -0.0609 | -0.0202 | -0.0101 | -0.0137 |
| -0.0630 | -0.0283 | -0.0053 | -0.0132 |
| -0.0634 | -0.0368 | -0.0069 | -0.0102 |
| -0.0551 | -0.0218 | -0.0081 | -0.0086 |
| -0.0537 | -0.0153 | -0.0104 | -0.0128 |
| -0.0453 | -0.0365 | -0.0156 | -0.0230 |
| -0.0425 | -0.0372 | -0.0171 | -0.0208 |
| -0.0307 | -0.0317 | -0.0203 | -0.0282 |
| -0.0231 | -0.0198 | -0.0228 | -0.0311 |
| -0.0136 | -0.0132 | -0.0232 | -0.0295 |
| -0.0087 | -0.0073 | -0.0201 | -0.0264 |
| -0.0069 | -0.0126 | -0.0148 | -0.0219 |
| -0.0049 | -0.0134 | -0.0125 | -0.0160 |
| -0.0074 | -0.0077 | -0.0080 | -0.0091 |
| -0.0003 | -0.0119 | -0.0048 | -0.0047 |
| -0.0008 | -0.0194 | 0.0024 | -0.0015 |
| 0.0011 | -0.0521 | 0.0140 | 0.0081 |
| -0.0022 | -0.0412 | 0.0217 | 0.0174 |
| -0.0375 | 0.0024 | 0.0281 | 0.0201 |
| -0.0410 | 0.0195 | 0.0170 | 0.0153 |
| -0.0583 | 0.0232 | 0.0058 | 0.0074 |
| -0.0635 | 0.0302 | -0.0007 | -0.0049 |
| -0.0334 | 0.0197 | -0.0084 | -0.0097 |
| -0.0195 | 0.0120 | -0.0026 | -0.0063 |
| -0.0204 | 0.0062 | 0.0029 | 0.0035 |
| -0.0304 | 0.0043 | 0.0076 | 0.0131 |
| -0.0601 | -0.0012 | 0.0068 | 0.0077 |
| -0.0703 | 0.0034 | -0.0035 | -0.0027 |
| -0.0432 | 0.0143 | -0.0442 | -0.0411 |
| -0.0672 | 0.0171 | -0.0514 | -0.0529 |
| -0.0539 | -0.0234 | -0.0511 | -0.0440 |
| -0.0431 | -0.0006 | -0.0178 | -0.0315 |
| -0.0433 | 0.0253 | -0.0203 | -0.0262 |
| -0.0595 | 0.0238 | -0.0272 | -0.0336 |
| -0.0409 | 0.0312 | -0.0292 | -0.0357 |
| -0.0456 | 0.0328 | -0.0295 | -0.0295 |
| -0.0503 | 0.0282 | -0.0279 | -0.0318 |
| -0.0574 | 0.0389 | -0.0258 | -0.0312 |
| -0.0300 | 0.0147 | -0.0241 | -0.0253 |
| -0.0387 | 0.0095 | -0.0133 | -0.0172 |
| -0.0414 | 0.0161 | -0.0156 | -0.0181 |
| -0.0515 | 0.0080 | -0.0170 | -0.0201 |
| -0.0377 | -0.0134 | -0.0239 | -0.0258 |
| -0.0346 | -0.0208 | -0.0265 | -0.0316 |
| -0.0356 | -0.0250 | -0.0356 | -0.0359 |
| -0.0261 | -0.0166 | -0.0385 | -0.0404 |
| -0.0125 | -0.0004 | -0.0330 | -0.0393 |
| -0.0095 | -0.0016 | -0.0333 | -0.0380 |
| -0.0245 | 0.0050 | -0.0326 | -0.0372 |
| -0.0292 | 0.0089 | -0.0339 | -0.0338 |
| -0.0326 | 0.0127 | -0.0310 | -0.0350 |
| -0.0228 | 0.0086 | -0.0297 | -0.0358 |
| -0.0183 | 0.0159 | -0.0285 | -0.0322 |
| -0.0185 | 0.0074 | -0.0309 | -0.0305 |
| -0.0286 | -0.0010 | -0.0250 | -0.0283 |
| -0.0401 | 0.0052 | -0.0211 | -0.0239 |
| -0.0577 | 0.0157 | -0.0210 | -0.0258 |
| -0.0517 | 0.0118 | -0.0198 | -0.0252 |
| -0.0584 | -0.0063 | -0.0196 | -0.0270 |
| -0.0643 | -0.0135 | -0.0224 | -0.0263 |
| -0.0480 | -0.0227 | -0.0232 | -0.0242 |
| -0.0386 | -0.0246 | -0.0166 | -0.0170 |
| -0.0415 | -0.0236 | -0.0143 | -0.0132 |
| -0.0286 | -0.0192 | -0.0093 | -0.0113 |
| -0.0353 | -0.0166 | -0.0073 | -0.0082 |
| -0.0365 | -0.0220 | -0.0073 | -0.0101 |
| -0.0298 | -0.0220 | -0.0034 | -0.0085 |
| -0.0357 | -0.0254 | -0.0057 | -0.0075 |
| -0.0422 | -0.0305 | -0.0052 | -0.0067 |
| -0.0337 | -0.0292 | -0.0026 | -0.0059 |
| -0.0313 | -0.0286 | -0.0026 | -0.0078 |
| -0.0384 | -0.0273 | -0.0031 | -0.0049 |
| -0.0523 | -0.0343 | -0.0039 | -0.0055 |
| -0.0513 | -0.0357 | -0.0025 | -0.0054 |
| -0.0515 | -0.0345 | -0.0020 | -0.0051 |
| -0.0418 | -0.0334 | 0.0008 | -0.0041 |
| -0.0372 | -0.0391 | 0.0014 | -0.0034 |
| -0.0410 | -0.0391 | 0.0009 | -0.0036 |
| -0.0433 | -0.0387 | 0.0015 | -0.0041 |
| -0.0596 | -0.0500 | -0.0028 | -0.0062 |
| -0.0628 | -0.0442 | -0.0044 | -0.0052 |
| -0.0562 | -0.0475 | -0.0047 | -0.0049 |
| -0.0406 | -0.0435 | -0.0025 | -0.0075 |
| -0.0495 | -0.0475 | -0.0052 | -0.0107 |
| -0.0630 | -0.0466 | -0.0074 | -0.0131 |
| -0.0808 | -0.0541 | -0.0131 | -0.0156 |
| -0.0595 | -0.0473 | -0.0091 | -0.0149 |
| -0.0585 | -0.0482 | -0.0130 | -0.0185 |
| -0.0423 | -0.0335 | -0.0116 | -0.0108 |
| -0.0450 | -0.0288 | -0.0063 | -0.0086 |
| -0.0469 | -0.0294 | 0.0037 | -0.0029 |
| -0.0546 | -0.0482 | 0.0015 | -0.0024 |
| -0.0592 | -0.0549 | -0.0053 | -0.0123 |
| -0.0410 | -0.0299 | -0.0186 | -0.0261 |
| -0.0226 | -0.0353 | -0.0214 | -0.0284 |
| -0.0468 | -0.0433 | -0.0268 | -0.0291 |
| -0.0469 | -0.0296 | -0.0278 | -0.0266 |
| -0.0711 | -0.0418 | -0.0305 | -0.0298 |
| -0.0663 | -0.0234 | -0.0346 | -0.0370 |
| -0.0607 | -0.0101 | -0.0330 | -0.0317 |
| -0.0718 | -0.0236 | -0.0287 | -0.0320 |
| -0.0802 | -0.0085 | -0.0294 | -0.0317 |
| -0.0733 | -0.0101 | -0.0290 | -0.0328 |
| -0.0574 | -0.0073 | -0.0271 | -0.0290 |
| -0.0007 | 0.0102 | -0.0038 | -0.0073 |
| -0.0444 | 0.0293 | 0.0112 | 0.0157 |
| -0.0947 | -0.0248 | 0.0079 | 0.0054 |
| -0.0794 | -0.0349 | -0.0064 | -0.0085 |
| -0.0779 | -0.0172 | -0.0123 | -0.0135 |
| -0.0714 | 0.0060 | -0.0131 | -0.0146 |
| -0.0589 | 0.0344 | -0.0140 | -0.0145 |
| -0.0610 | 0.0413 | -0.0043 | -0.0041 |
| -0.0824 | 0.0308 | 0.0095 | 0.0006 |
| -0.0419 | 0.0407 | -0.0084 | -0.0090 |
| -0.0198 | 0.0546 | -0.0095 | -0.0149 |
| 0.0003 | 0.0671 | -0.0055 | 0.0018 |
| -0.0238 | 0.0518 | -0.0040 | 0.0054 |
| -0.0275 | 0.0232 | 0.0051 | 0.0048 |
| -0.0263 | 0.0062 | 0.0103 | 0.0063 |
| -0.0355 | 0.0191 | 0.0107 | 0.0084 |
| -0.0393 | 0.0108 | 0.0090 | 0.0095 |
| -0.0414 | -0.0033 | 0.0026 | 0.0033 |
| -0.0400 | -0.0168 | 0.0009 | -0.0032 |
| -0.0285 | -0.0073 | 0.0012 | 0.0007 |
| -0.0275 | 0.0036 | 0.0017 | 0.0026 |
| -0.0270 | 0.0293 | 0.0017 | 0.0051 |
| -0.0384 | 0.0289 | 0.0037 | 0.0058 |
| -0.0447 | 0.0249 | 0.0043 | 0.0050 |
| -0.0443 | 0.0219 | 0.0070 | 0.0062 |
| -0.0490 | 0.0142 | 0.0064 | 0.0077 |
| -0.0544 | 0.0093 | 0.0047 | 0.0030 |
| -0.0411 | -0.0057 | 0.0055 | -0.0005 |
| -0.0308 | 0.0102 | 0.0078 | 0.0065 |
| -0.0329 | 0.0080 | 0.0123 | 0.0153 |
| -0.0392 | 0.0163 | 0.0181 | 0.0199 |
| -0.0491 | 0.0032 | 0.0212 | 0.0220 |
| -0.0459 | -0.0103 | 0.0207 | 0.0192 |
| -0.0469 | -0.0239 | 0.0178 | 0.0204 |
| -0.0574 | -0.0256 | 0.0186 | 0.0155 |
| -0.0636 | -0.0252 | 0.0134 | 0.0139 |
| -0.0574 | -0.0158 | 0.0112 | 0.0107 |
| -0.0614 | -0.0164 | 0.0129 | 0.0099 |
| -0.0503 | -0.0176 | 0.0103 | 0.0076 |
| -0.0447 | -0.0153 | 0.0077 | 0.0066 |
| -0.0514 | -0.0094 | 0.0065 | 0.0061 |
| -0.0613 | -0.0088 | 0.0054 | 0.0054 |
| -0.0576 | -0.0014 | 0.0065 | 0.0013 |
| -0.0520 | -0.0048 | 0.0017 | -0.0022 |
| -0.0509 | -0.0097 | 0.0012 | -0.0013 |
| -0.0536 | -0.0142 | 0.0004 | -0.0001 |
| -0.0525 | -0.0198 | -0.0011 | -0.0003 |
| -0.0549 | -0.0220 | -0.0008 | -0.0014 |
| -0.0594 | -0.0220 | -0.0015 | -0.0013 |
| -0.0586 | -0.0252 | -0.0008 | -0.0013 |
| -0.0495 | -0.0267 | -0.0009 | -0.0026 |
| -0.0519 | -0.0271 | -0.0004 | -0.0026 |
| -0.0505 | -0.0261 | -0.0012 | -0.0030 |
| -0.0525 | -0.0281 | -0.0013 | -0.0026 |
| -0.0511 | -0.0222 | -0.0011 | -0.0017 |
| -0.0445 | -0.0279 | 0.0014 | -0.0026 |
| -0.0509 | -0.0287 | -0.0006 | -0.0017 |
| -0.0465 | -0.0325 | 0.0000 | -0.0017 |
| -0.0397 | -0.0323 | 0.0017 | -0.0025 |
| -0.0448 | -0.0355 | -0.0003 | -0.0034 |
| -0.0489 | -0.0385 | 0.0004 | -0.0025 |
| -0.0539 | -0.0402 | -0.0025 | -0.0031 |
| -0.0521 | -0.0345 | -0.0018 | -0.0023 |
| -0.0513 | -0.0323 | -0.0026 | -0.0018 |
| -0.0549 | -0.0374 | -0.0017 | -0.0024 |
| -0.0602 | -0.0426 | -0.0024 | -0.0035 |
| -0.0504 | -0.0426 | -0.0008 | -0.0027 |
| -0.0470 | -0.0370 | -0.0011 | -0.0010 |
| -0.0481 | -0.0469 | -0.0003 | -0.0039 |
| -0.0463 | -0.0410 | -0.0012 | -0.0030 |
| -0.0485 | -0.0452 | 0.0004 | -0.0028 |
| -0.0504 | -0.0466 | 0.0006 | -0.0025 |
| -0.0507 | -0.0534 | 0.0001 | -0.0041 |
| -0.0346 | -0.0428 | 0.0040 | 0.0009 |
| -0.0342 | -0.0378 | 0.0067 | 0.0103 |
| -0.0588 | -0.0646 | 0.0035 | -0.0041 |
| -0.0471 | -0.0454 | -0.0174 | -0.0213 |
| -0.0344 | -0.0059 | -0.0098 | -0.0078 |
| -0.0447 | -0.0273 | 0.0009 | -0.0020 |
| -0.0486 | -0.0355 | 0.0045 | 0.0010 |
| -0.0548 | -0.0391 | 0.0023 | -0.0046 |
| -0.0382 | -0.0469 | -0.0139 | -0.0170 |
| -0.0232 | -0.0339 | -0.0175 | -0.0236 |
| -0.0107 | -0.0263 | -0.0171 | -0.0233 |
| -0.0054 | -0.0234 | -0.0183 | -0.0198 |
| -0.0241 | -0.0224 | -0.0125 | -0.0119 |
| -0.0407 | -0.0088 | -0.0089 | -0.0093 |
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| 0.0155 | 0.0150 | 0.0160 | 0.0117 |
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| -0.0248 | 0.0516 | 0.0121 | 0.0086 |
| -0.0297 | 0.0670 | 0.0063 | 0.0072 |
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| -0.0515 | 0.0157 | -0.0184 | -0.0215 |
| -0.0574 | 0.0114 | -0.0189 | -0.0209 |
| -0.0610 | 0.0185 | -0.0212 | -0.0218 |
| -0.0504 | 0.0196 | -0.0225 | -0.0229 |
| -0.0244 | 0.0103 | -0.0177 | -0.0224 |
| -0.0010 | 0.0575 | 0.0029 | 0.0003 |
| -0.0274 | 0.0497 | 0.0120 | 0.0144 |
| -0.0335 | 0.0328 | 0.0153 | 0.0165 |
| -0.0643 | -0.0029 | 0.0134 | 0.0110 |
| -0.0705 | -0.0052 | 0.0084 | 0.0028 |
| -0.0633 | -0.0073 | 0.0006 | -0.0018 |
| -0.0519 | -0.0288 | -0.0007 | -0.0055 |
| -0.0414 | -0.0281 | -0.0033 | -0.0064 |
| -0.0305 | -0.0275 | 0.0002 | -0.0072 |
| -0.0238 | 0.0058 | 0.0022 | 0.0042 |
| -0.0413 | -0.0182 | 0.0062 | 0.0064 |
| -0.0500 | -0.0355 | 0.0059 | 0.0000 |
| -0.0532 | -0.0269 | 0.0031 | -0.0016 |
| -0.0384 | -0.0153 | 0.0052 | 0.0055 |
| -0.0507 | -0.0218 | 0.0052 | 0.0047 |
| -0.0618 | -0.0269 | -0.0016 | -0.0044 |
| -0.0564 | -0.0261 | -0.0042 | -0.0057 |
| -0.0588 | -0.0233 | -0.0055 | -0.0039 |
| -0.0590 | -0.0260 | -0.0043 | -0.0041 |
| -0.0598 | -0.0250 | -0.0028 | -0.0043 |
| -0.0532 | -0.0250 | -0.0013 | -0.0034 |
| -0.0541 | -0.0244 | -0.0004 | -0.0021 |
| -0.0504 | -0.0235 | 0.0006 | -0.0020 |
| -0.0536 | -0.0273 | 0.0008 | -0.0017 |
| -0.0534 | -0.0267 | -0.0002 | -0.0013 |
| -0.0564 | -0.0292 | -0.0011 | -0.0015 |
| -0.0536 | -0.0263 | 0.0012 | -0.0001 |
| -0.0592 | -0.0296 | -0.0003 | -0.0012 |
| -0.0576 | -0.0325 | 0.0011 | 0.0007 |
| -0.0532 | -0.0309 | 0.0007 | -0.0005 |
| -0.0588 | -0.0334 | 0.0015 | -0.0011 |
| -0.0487 | -0.0309 | 0.0023 | -0.0011 |
| -0.0544 | -0.0380 | 0.0028 | -0.0001 |
| -0.0532 | -0.0370 | 0.0033 | 0.0003 |
| -0.0498 | -0.0412 | 0.0028 | -0.0001 |
| -0.0477 | -0.0384 | 0.0017 | 0.0007 |
| -0.0595 | -0.0382 | 0.0012 | 0.0002 |
| -0.0645 | -0.0430 | 0.0017 | 0.0004 |
| -0.0647 | -0.0402 | 0.0010 | 0.0006 |
| -0.0566 | -0.0391 | 0.0023 | -0.0004 |
| -0.0539 | -0.0389 | 0.0027 | 0.0012 |
| -0.0539 | -0.0440 | 0.0033 | 0.0000 |
| -0.0612 | -0.0438 | 0.0034 | 0.0004 |
| -0.0556 | -0.0412 | 0.0062 | 0.0016 |
| -0.0623 | -0.0399 | 0.0049 | 0.0020 |
| -0.0649 | -0.0442 | 0.0033 | 0.0032 |
| -0.0672 | -0.0513 | 0.0043 | -0.0002 |
| -0.0664 | -0.0525 | 0.0034 | -0.0018 |
| -0.0566 | -0.0523 | -0.0017 | -0.0029 |
| -0.0639 | -0.0406 | -0.0027 | -0.0055 |
| -0.0842 | -0.0290 | -0.0071 | -0.0074 |
| -0.0787 | -0.0151 | -0.0063 | -0.0137 |
| -0.0488 | -0.0132 | -0.0060 | -0.0083 |
| -0.0635 | -0.0267 | 0.0006 | -0.0017 |
| -0.0699 | -0.0440 | -0.0009 | -0.0016 |
| -0.0705 | -0.0337 | -0.0072 | -0.0130 |
| -0.0956 | -0.0474 | -0.0170 | -0.0204 |
| -0.0871 | -0.0333 | -0.0183 | -0.0244 |
| -0.0840 | -0.0555 | -0.0145 | -0.0232 |
| -0.0927 | -0.0572 | -0.0270 | -0.0286 |
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| -0.1037 | -0.0389 | -0.0397 | -0.0415 |
| -0.0800 | -0.0294 | -0.0425 | -0.0445 |
| -0.0640 | -0.0482 | -0.0266 | -0.0336 |
| -0.0963 | -0.0692 | -0.0261 | -0.0338 |
| -0.0726 | -0.0361 | -0.0303 | -0.0353 |
| -0.0681 | -0.0577 | -0.0213 | -0.0218 |
| -0.1029 | -0.0730 | -0.0205 | -0.0307 |
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| -0.0594 | 0.0102 | 0.0117 | 0.0079 |
| -0.0553 | 0.0352 | 0.0074 | 0.0023 |
| -0.0427 | 0.0284 | 0.0026 | -0.0014 |
| -0.0305 | 0.0334 | 0.0027 | 0.0048 |
| -0.0364 | 0.0371 | 0.0029 | 0.0056 |
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| -0.0470 | 0.0324 | 0.0010 | 0.0009 |
| -0.0469 | 0.0451 | -0.0035 | -0.0063 |
| -0.0381 | 0.0387 | -0.0120 | -0.0118 |
| -0.0336 | 0.0199 | -0.0136 | -0.0146 |
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| -0.0380 | 0.0157 | -0.0117 | -0.0100 |
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| -0.0124 | 0.0300 | -0.0056 | -0.0091 |
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| -0.0231 | 0.0574 | 0.0081 | 0.0094 |
| -0.0152 | 0.0364 | 0.0037 | 0.0033 |
| 0.0103 | 0.0432 | 0.0034 | 0.0068 |
| -0.0100 | -0.0067 | 0.0155 | 0.0156 |
| -0.0111 | 0.0026 | 0.0171 | 0.0125 |
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| -0.0416 | -0.0460 | 0.0215 | 0.0141 |
| -0.0597 | -0.0473 | 0.0096 | 0.0018 |
| -0.0533 | -0.0335 | -0.0082 | -0.0114 |
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| -0.0222 | -0.0294 | -0.0217 | -0.0225 |
| -0.0001 | -0.0178 | -0.0187 | -0.0201 |
| -0.0122 | -0.0359 | -0.0125 | -0.0196 |
| -0.0120 | -0.0252 | -0.0142 | -0.0227 |
| 0.0122 | -0.0079 | -0.0148 | -0.0216 |
| 0.0246 | 0.0226 | -0.0061 | -0.0080 |
| 0.0189 | 0.0179 | -0.0029 | 0.0010 |
| 0.0138 | 0.0040 | 0.0021 | 0.0062 |
| 0.0079 | 0.0051 | 0.0056 | 0.0081 |
| 0.0159 | 0.0302 | 0.0063 | 0.0162 |
| 0.0204 | 0.0167 | 0.0059 | 0.0159 |
| -0.0057 | 0.0064 | 0.0118 | 0.0156 |
| -0.0181 | -0.0007 | 0.0119 | 0.0165 |
| -0.0306 | -0.0153 | 0.0083 | 0.0079 |
| -0.0350 | -0.0178 | 0.0049 | 0.0042 |
| -0.0408 | -0.0002 | 0.0033 | 0.0041 |
| -0.0436 | 0.0070 | 0.0024 | 0.0025 |
| -0.0455 | 0.0116 | 0.0045 | 0.0009 |
| -0.0411 | 0.0056 | 0.0056 | 0.0036 |
| -0.0464 | 0.0110 | 0.0105 | 0.0076 |
| -0.0478 | 0.0072 | 0.0103 | 0.0058 |
| -0.0510 | -0.0033 | 0.0092 | 0.0031 |
| -0.0518 | -0.0107 | 0.0069 | 0.0047 |
| -0.0562 | -0.0130 | 0.0038 | 0.0040 |
| -0.0520 | -0.0124 | 0.0021 | 0.0044 |
| -0.0603 | -0.0073 | 0.0044 | 0.0050 |
| -0.0565 | -0.0214 | 0.0032 | 0.0025 |
| -0.0588 | -0.0193 | 0.0027 | 0.0016 |
| -0.0574 | -0.0176 | 0.0023 | 0.0005 |
| -0.0554 | -0.0233 | 0.0023 | 0.0011 |
| -0.0528 | -0.0260 | 0.0018 | 0.0009 |
| -0.0513 | -0.0248 | 0.0017 | -0.0007 |
| -0.0558 | -0.0260 | 0.0002 | -0.0008 |