Laboratorio 2

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gcc -O1 -ftree-vectorize -fopt-info-vec -fopt-info-vec-missed wtime.c mtwister.c tiny $_$ mc.c -Im

▶ tiny_mc.c:107:5: missed: couldn't vectorize loop

- ▶ tiny_mc.c:107:5: missed: couldn't vectorize loop
- tiny_mc.c:107:5: missed: not vectorized: multiple nested loops.

- ▶ tiny_mc.c:107:5: missed: couldn't vectorize loop
- tiny_mc.c:107:5: missed: not vectorized: multiple nested loops.
- tiny_mc.c:78:16: missed: couldn't vectorize loop

- tiny_mc.c:107:5: missed: couldn't vectorize loop
- tiny_mc.c:107:5: missed: not vectorized: multiple nested loops.
- ▶ tiny_mc.c:78:16: missed: couldn't vectorize loop
- tiny_mc.c:78:16: missed: not vectorized: control flow in loop.

- tiny_mc.c:107:5: missed: couldn't vectorize loop
- tiny_mc.c:107:5: missed: not vectorized: multiple nested loops.
- ▶ tiny_mc.c:78:16: missed: couldn't vectorize loop
- tiny_mc.c:78:16: missed: not vectorized: control flow in loop.
- tiny_mc.c:71:9: missed: couldn't vectorize loop

- tiny_mc.c:107:5: missed: couldn't vectorize loop
- tiny_mc.c:107:5: missed: not vectorized: multiple nested loops.
- ▶ tiny_mc.c:78:16: missed: couldn't vectorize loop
- tiny_mc.c:78:16: missed: not vectorized: control flow in loop.
- ▶ tiny_mc.c:71:9: missed: couldn't vectorize loop
- tiny_mc.c:71:9: missed: not vectorized: number of iterations cannot be computed.

```
overfor (unsigned int i = 0; i < PHOTONS; ++i) {
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overfor (unsigned int i = 0; i < PHOTONS; ++i) }</pre>
```

```
for (unsigned int i = 0; i < PHOTONS; ++i) {
     photon(r);
··· if (weight < 0.001f) { /* roulette */
  if ((float)genRand(&r) > 0.1f) {
---- do -{
   \cdot \cdot xi2 = 2.0f \cdot * \cdot genRand(&r) \cdot - \cdot 1.0f;
   } while (1.0f < t);
```