

Integer types, on the other hand, have uniform precision, so this problem does no occur. A typical way to handle timing is to keep track of elapsed time using an integer type, and then for each update, compute the difference between the

current and previous elapsed times and convert the result to a floating-point type if needed. Since the result will almost

always be a small number (< 1), the precision will always be high.

Started Saturday

Optimized SLER

Started Thursda

AM

By bzt

РМ

I have no idea how XNA handles timing internally, but I assume it's sound. I'm a little surprised they make the total time available as a double though - is it also available as an integer? (If so, I'd use the integer value instead, but that's just me - under normal circumstances you're probably unlikely to see any measurable inaccuracy in the double value, but with an integer type, you'll more or less be guaranteed accurate results.)





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Posted November 19, 2009

Wonderful. Thanks to everyone for your replies. I feel much more confident with what is going on and what I want to do in my engine in regards to timing.



Posted November 19, 2009

why not and int? thus each frame go gametick++;

for me a game_tick = 1/60 sec

in 24 hours this equals 5,184,000 ticks enuf for at least a year

(oops I see others have mentioned this)

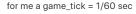


Quote:



Posted November 19, 2009

thus each frame go gametick++;



My Groups

While fixed frame-rate is a nice feature, it isn't directly related to the representation of time. You still have a dependency on external time (i.e. a game tick = 1/60 sec), so you still need to represent external time in some way.







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