

std::mutex<

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Can fail spuriously

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- `std::mutex::unlock()` can block

```

class WavetableSynthesizer
{
public:
    void audioCallback()
    {
        if (std::unique_lock<spin_lock> tryLock (mutex, std::try_to_lock); tryLock.owns_lock())
        {
            // Do something with wavetable
        }
        else
        {
            // Do something else as wavetable is not available
        }
    }

    void updateWavetable (/* args */)
    {
        // Create new Wavetable
        auto newWavetable = std::make_unique<Wavetable> (/* args */);

        {
            std::lock_guard<spin_lock> lock (mutex);
            std::swap (wavetable, newWavetable);
        }

        // Delete old wavetable here to lock for least time possible
    }

private:
    spin_lock mutex;
    std::unique_ptr<Wavetable> wavetable;
};

```