Now, you mentioned the clock frequency change

in the processor from 500 megahertz to multi-gigahertz.

But you've gotten performance not just from frequency change.

I imagine, we talk about parallelism in this course,

and how you get performance from increased parallelism.

I imagine that the level of parallelism you're able to exploit,

instruction-level parallelism, is also improved from the first generation

to what we have today.

Oh yes.

Even from, I think, the first.

We're now at multi-core systems.

But this also goes to the scheduler, the software scheduler.

We will work with Android in some of these cases,

to make sure you're able to more accurately schedule

the right thread on the right core, to determine if one core's too busy.

But yes, that's something that's improved greatly since the very

first Android phone, as well.