Growing Up as a (Software) Engineer

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What Changes and What Doesn’t

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hen there is no leakage:

When the transistor density doubles, clock rate can go up 1.4x, while power consumption stays the same (despite having twice the number of transistors running faster).

Ceased to apply ~2005 (because leakagsiuucopo(pbopegsiuucops

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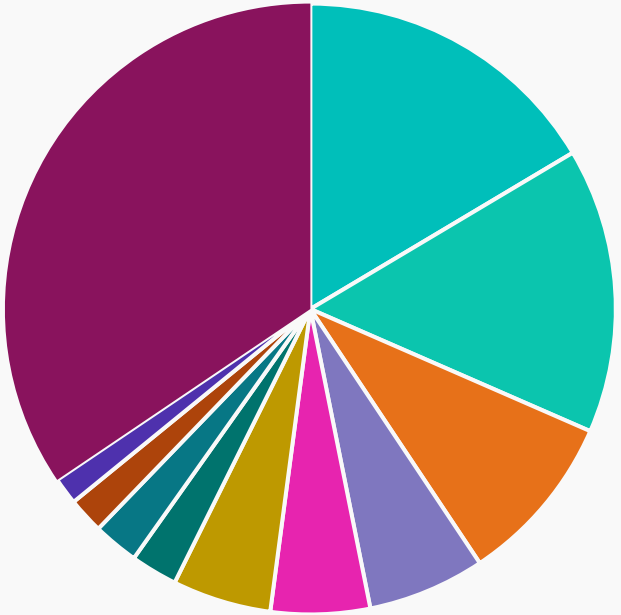

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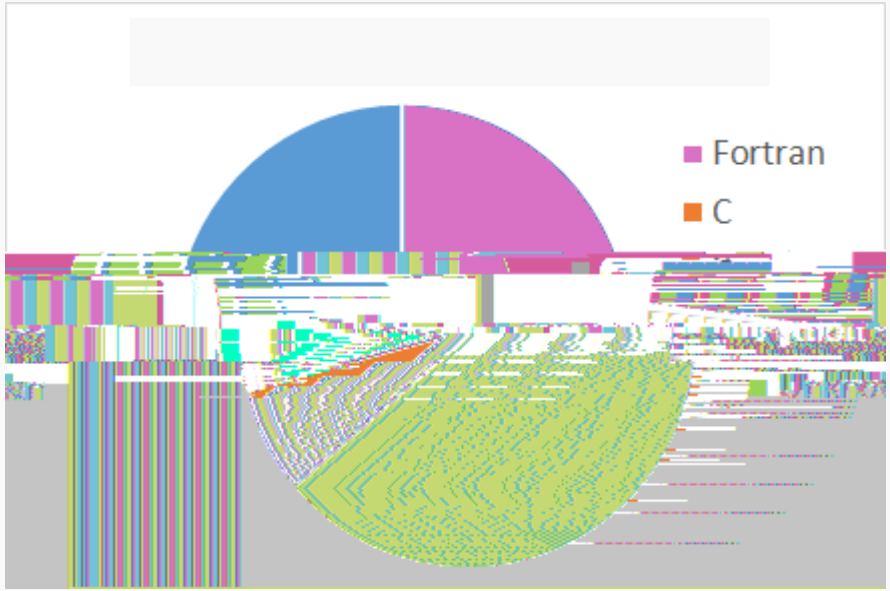

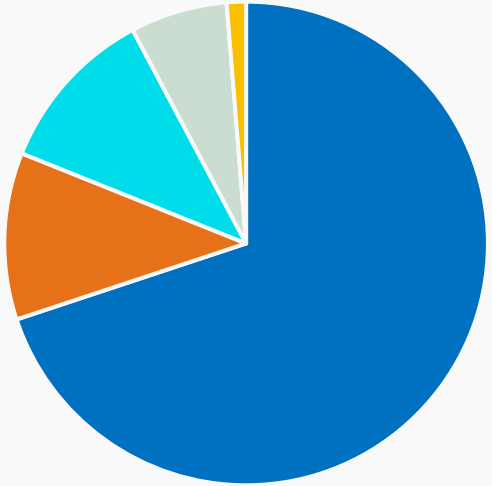

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Reproducibility

Becoming more and more important. Conferences/journals require reproduction “artefacts” to enable others to verify results.

More eyes on the code

Allows co-operation and avoids time spent re-inventing a square wheel

Eases commercial spin outs (=> use a BSD-style license)

Reduces funding cost if multiple teams need not write equivalent code

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I don’t want people to see my horrid code…

That group at *other university* might use it, and they **re** my enemy because they’re competing for the same funding.

I’m hoping to start a spin-out and license the code from the university so I don’t want everyone to have my code

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ASP is #1 consumer of cycles on Archer

UK Met Office

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