

Introducing Intel's new node naming



- In high-volume production

Previously referred to as Enhanced SuperFin

- 10-15% perf/watt gain
- FinFET transistor optimizations
- Now in volume production

Previously referred to as 7nm

- 20% perf/watt gain
- Full use of EUV lithography
- Meteor Lake for client tape in Q2 2021
- Granite Rapids compute tile for data center

Power and area improvements

- 18% perf/watt gain
- Denser HP library
- Increased intrinsic drive current
- Reduced via resistance
- Increased EUV use
- Manufacturing products 2H 2023

The angstrom era of semiconductors

- Breakthrough innovations in 1H 2024
- RibbonFET – new transistor architecture
- PowerVia – interconnect innovation

intel

accelerated