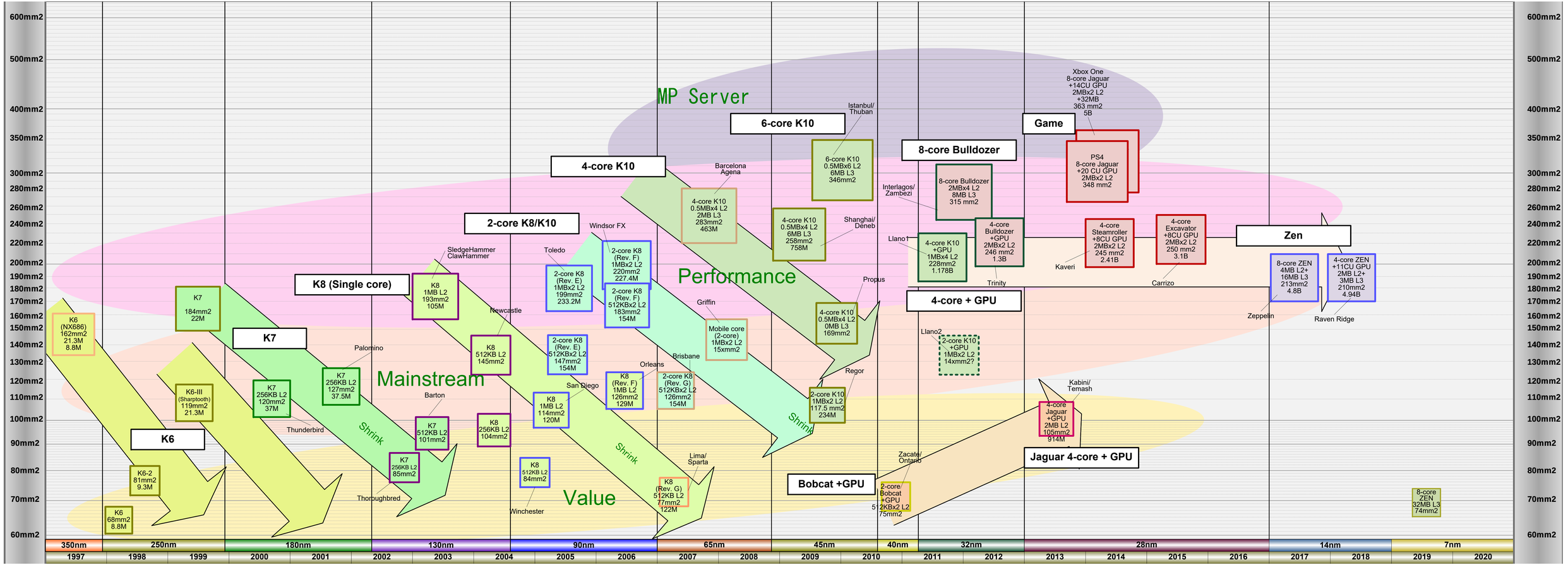
600mm2
500mm2
400mm2
350mm2
300mm2
280mm2
260mm2
240mm2
220mm2
200mm2
190mm2
180mm2
170mm2
160mm2
150mm2
140mm2
130mm2
120mm2
110mm2
100mm2
90mm2
80mm2
70mm2
60mm2
MP Server
Performance
Mainstream
Value
Shrink
Shrink
Shrink
6-core K10
4-core K10
2-core K8/K10
K8 (Single core)
K7
K6
8-core Bulldozer
4-core + GPU
Bobcat +GPU
Jaguar 4-core + GPU
Game
Zen
K6 (NX686) 162mm2 21.3M 8.8M
K6 68mm2 8.8M
K6-2 81mm2 9.3M
K6-III (Sharptooth) 119mm2 21.3M
K7 184mm2 22M
K7 256KB L2 120mm2 37M
K7 256KB L2 127mm2 37.5M
K7 512KB L2 101mm2
K7 256KB L2 85mm2
K8 1MB L2 193mm2 105M
K8 512KB L2 145mm2
K8 256KB L2 104mm2
K8 512KB L2 84mm2
K8 1MB L2 114mm2 120M
2-core K8 (Rev. E) 1MBx2 L2 199mm2 233.2M
2-core K8 (Rev. E) 512KBx2 L2 147mm2 154M
2-core K8 (Rev. F) 1MBx2 L2 220mm2 227.4M
2-core K8 (Rev. F) 512KBx2 L2 183mm2 154M
K8 (Rev. F) 1MB L2 126mm2 129M
2-core K8 (Rev. G) 512KBx2 L2 126mm2 154M
K8 (Rev. G) 512KB L2 77mm2 122M
4-core K10 0.5MBx6 L2 6MB L3 346mm2
4-core K10 0.5MBx4 L2 2MB L3 283mm2 463M
4-core K10 0.5MBx4 L2 6MB L3 258mm2 758M
4-core K10 0.5MBx4 L2 0MB L3 169mm2
2-core K10 1MBx2 L2 117.5 mm2 234M
8-core Bulldozer 2MBx4 L2 8MB L3 315 mm2
4-core K10 +GPU 1MBx4 L2 228mm2 1.178B
4-core Bulldozer +GPU 2MBx2 L2 246 mm2 1.3B
2-core K10 +GPU 1MBx2 L2 14xmm2?
4-core Steamroller +8CU GPU 2MBx2 L2 245 mm2 2.41B
4-core Excavator +8CU GPU 2MBx2 L2 250 mm2 3.1B
4-core Jaguar +GPU 2MB L2 105mm2 914M
2-core Bobcat +GPU 512KBx2 L2 75mm2
8-core ZEN 4MB L2+ 16MB L3 213mm2 4.8B
4-core ZEN +11CU GPU 2MB L2+ 3MB L3 210mm2 4.94B
8-core ZEN 32MB L3 74mm2
PS4 8-core Jaguar +20 CU GPU 2MBx2 L2 348 mm2
Xbox One 8-core Jaguar +14CU GPU 2MBx2 L2 +32MB 363 mm2 5B
Istanbul/ Thuban
Barcelona Agena
Shanghai/ Deneb
Interlagos/ Zambezi
Llano1
Llano2
Kaveri
Trinity
Carrizo
Zeppelin
Raven Ridge
Windsor FX
Toledo
SledgeHammer ClawHammer
Newcastle
Palomino
Thunderbird
Barton
Thoroughbred
Winchester
Griffin
Mobile core (2-core) 1MBx2 L2 15xmm2
Propus
Regor
Brisbane
Orleans
San Diego
Lima/ Sparta
Zacate/ Ontario
Kabini/ Temash
350nm
250nm
180nm
130nm
90nm
65nm
45nm
40nm
32nm
28nm
14nm
7nm
1997
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