



Andes Technology Corporation



- A 14-year-old public CPU IP company
- >1B Andes-Embedded SoC shipped in 2018. >3.5B cumulatively



- A founding member of the RISC-V Foundation
- A major open source maintainer/contributor
- Active involvement in standard extensions
 - Chair of P-extension (Packed DSP/SIMD) Task Group
 - Co-chair of Fast Interrupt Task Group



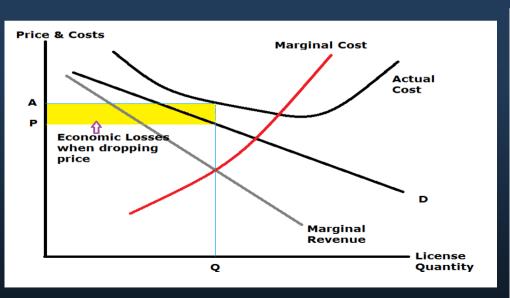


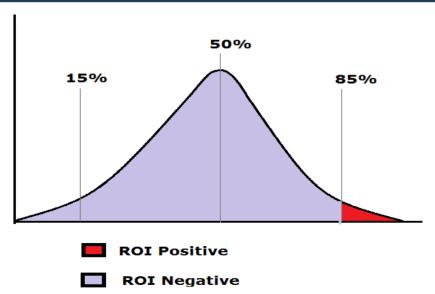


Free-of-Charge?: It's All About Competition



- Monopolist: Very hard to keep monopoly now
- **■** Chasers: Who's winning?









Smart Business Model



- Open = Free?
- ISA enters "Open Source Era", but open source chip or core IP are still far from open source
- University may pay for academic works, or some initials, but hard to pay for industrial works
- When you use Google service for free, someone out there pays for you advertisement
- Smart business model must be healthy one
- Under competition, or co-petition, what is a healthy business model?





Thank you !!

