Computational Lithography Technology that makes Technology Affordable

Lithography is enabler of Moore's Law

Computational Lithography is enabler of Moore's Law in 21st Century



Use of computational lithography that models light as it travels through mask, lens and resist allows us to pre-compensate for distortions by changing the features

Pixel here defined is as a (node half-pitch)²

computational lithography

lithography tools through use of DFM and

DFM needed to use less efficient but cheaper pixels to maintain scaling and yield

Research at Intel www.intel.com/research

on the mask

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Computational Lithography Technology that makes Technology Affordable

Computational Lithography Reduces Lithography cost:



Intel's Computational Lithography will be a center of technology innovation and the backbone of Intel's proprietary DFM for the foreseeable future

Research at Intel www.intel.com/research

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