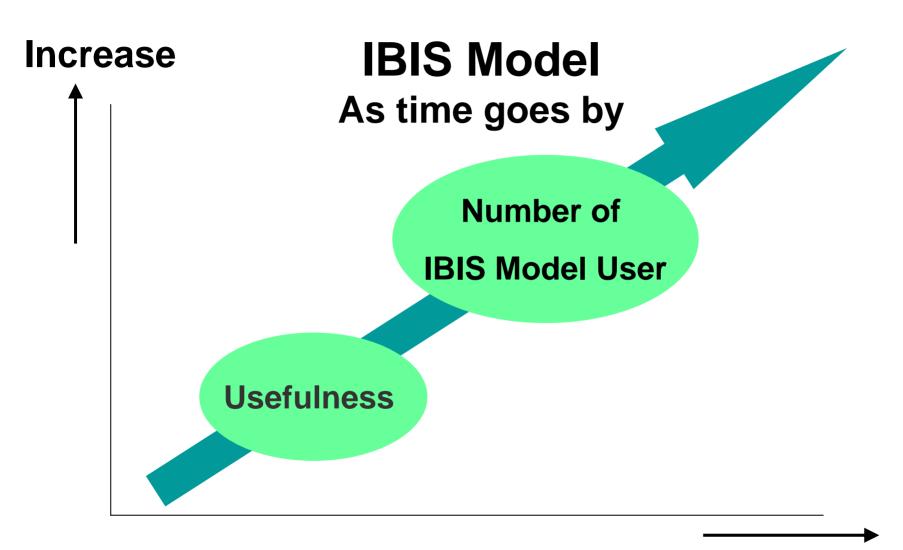
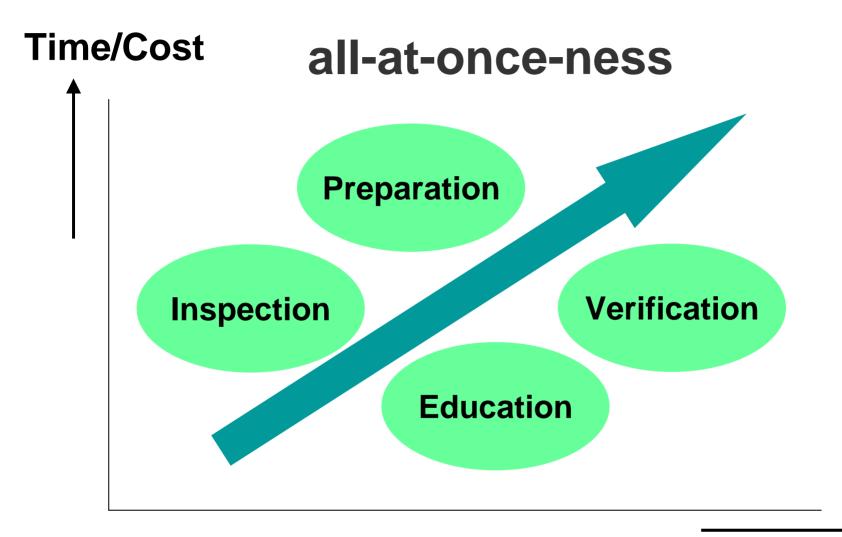
CYBERNET SYSTEMS CO., LTD.

IBIS Model Engineering for SI Simulation

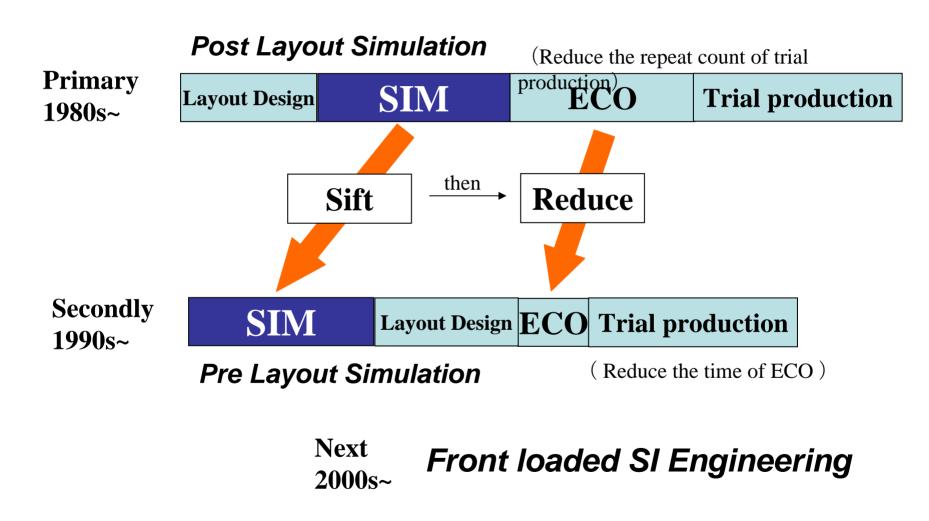
Asian IBIS Summit (Japan), October 31, 2006

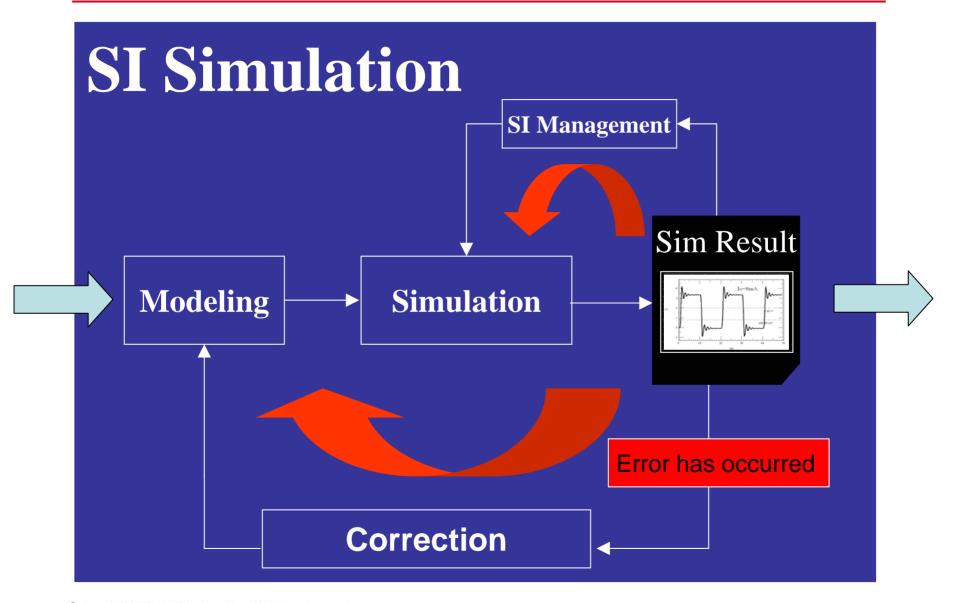
Kazuhiko Kusunoki k-kusu@cybernet.co.jp

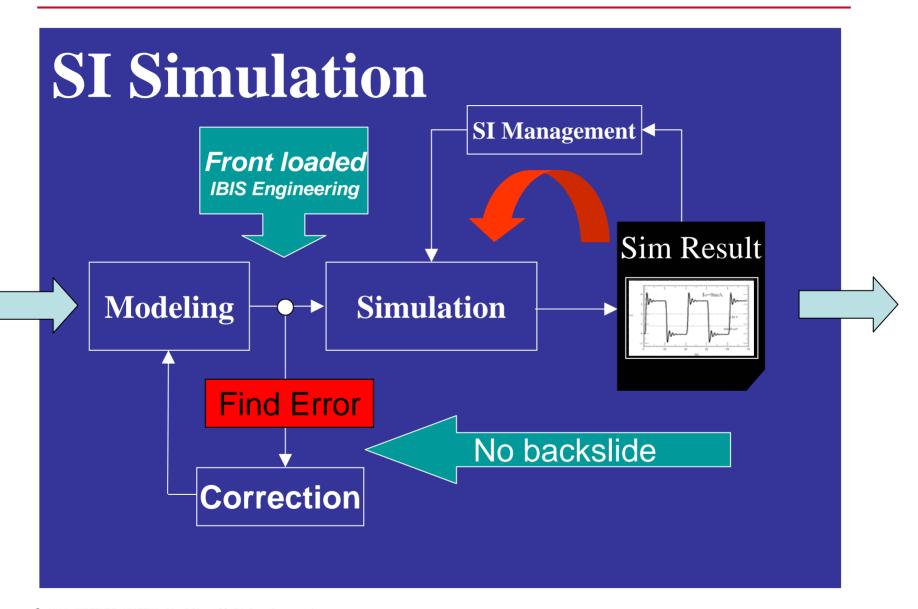




Challenge to the SI simulation Engineering of PCB Design

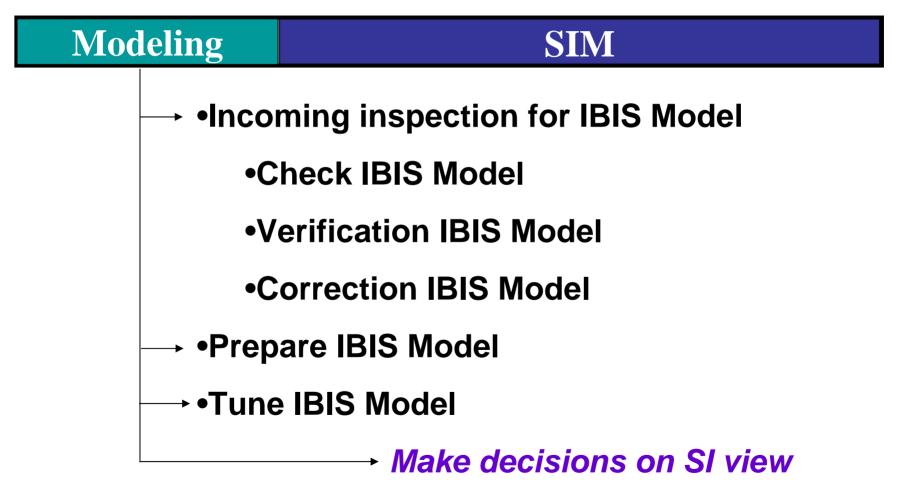






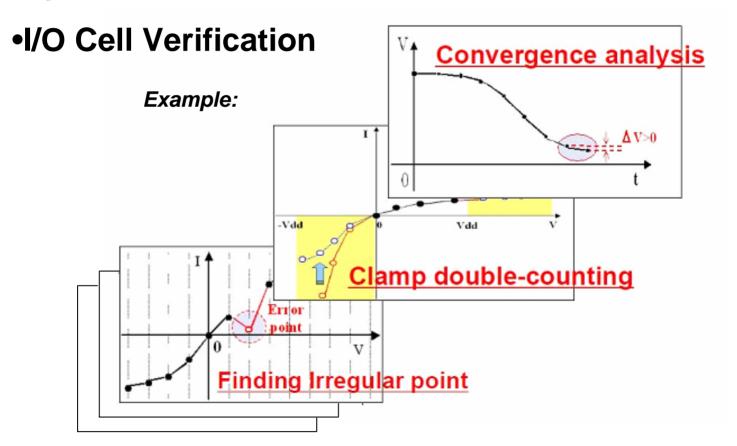
IBIS model Engineering as Front loaded SI Engineering

To minimized the time of SI simulation

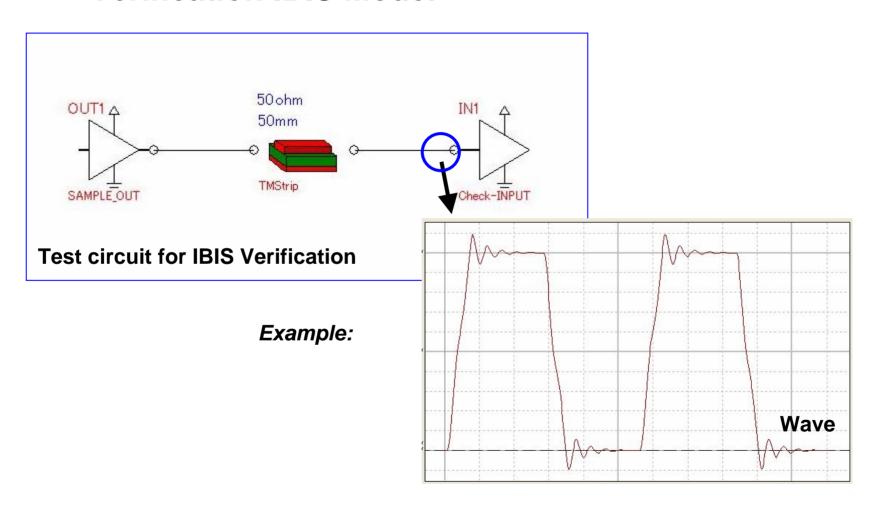


Incoming inspection for IBIS Model

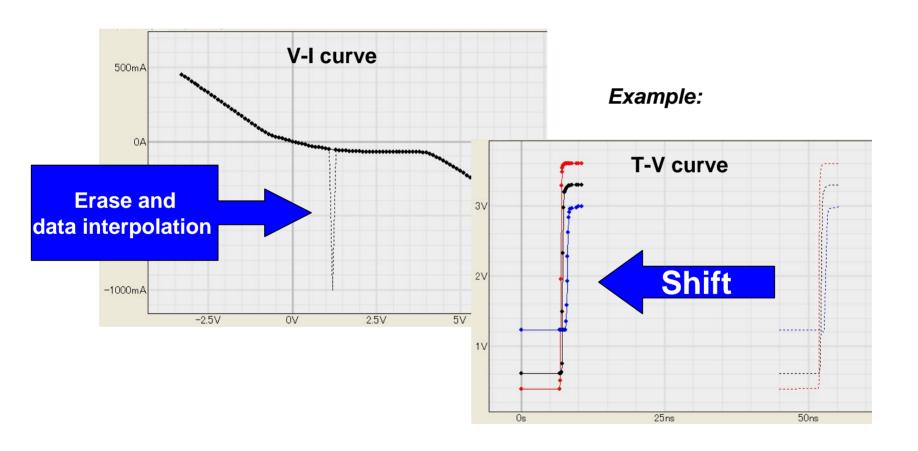
Syntax Check

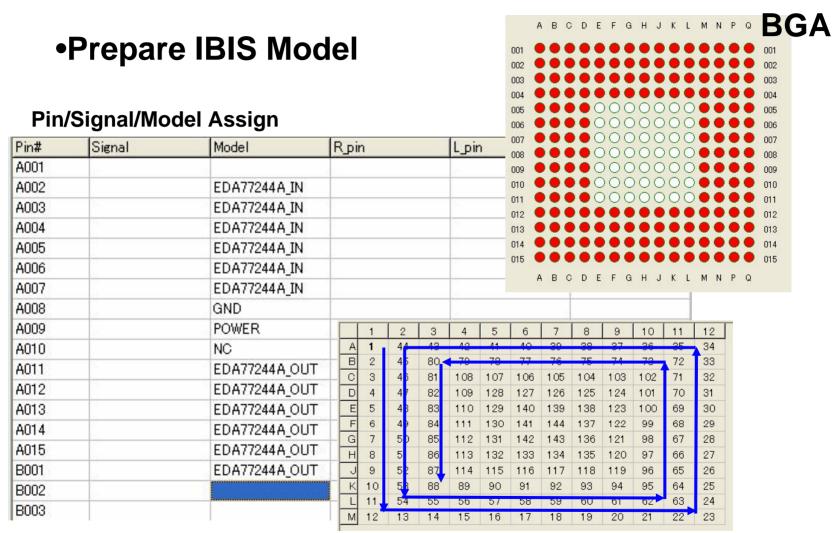


Verification IBIS Model

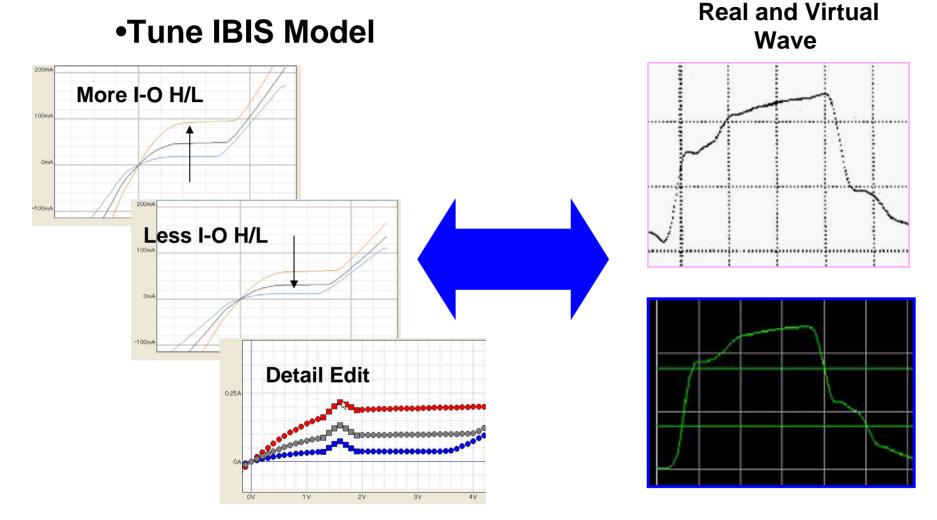


Correction IBIS Model



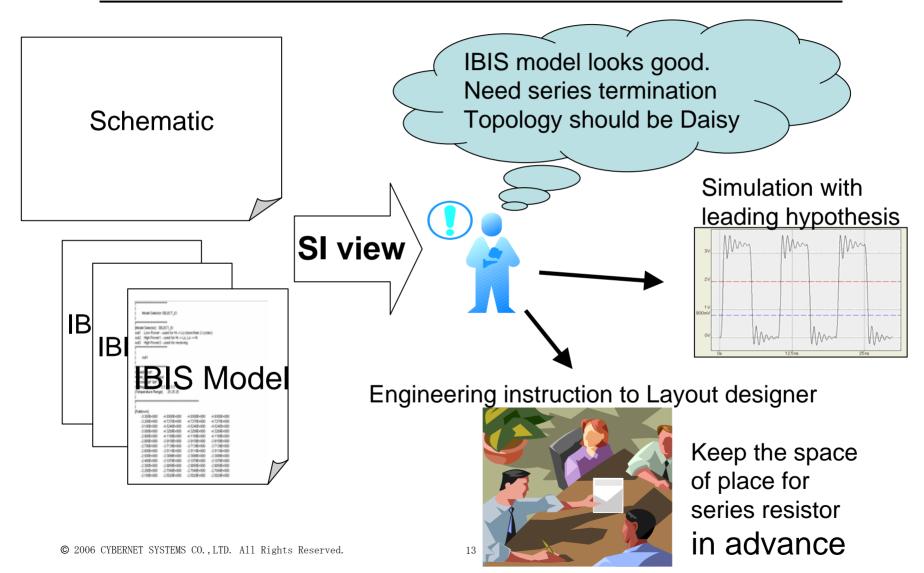


Spiral pin number location

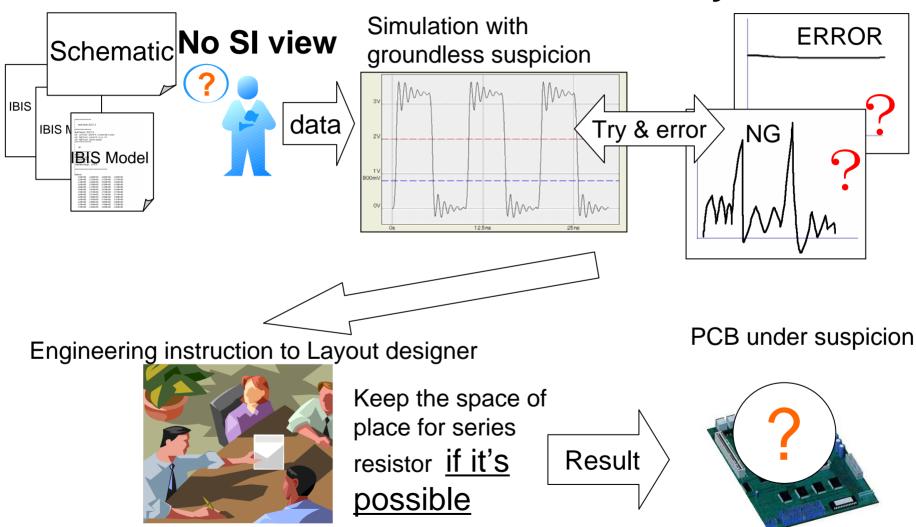


Comparison-data for the best result

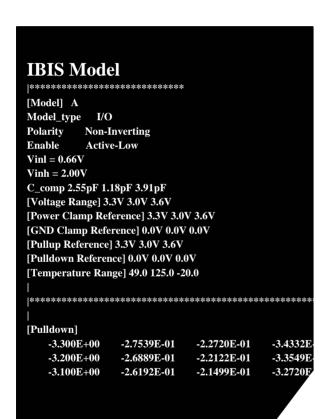
What the SI Electronics whiz dose for IBIS?

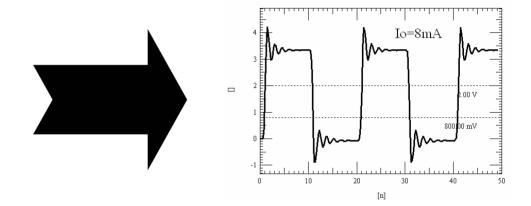


What the Non SI Electronics whiz may does?



IBIS model Engineering as Front loaded SI Engineering





Predict Signal Wave from IBIS Model

IBIS model Engineering as Front loaded SI Engineering

- Take a look (evaluate a symptom) of Output Current
- Take a look (evaluate a symptom) of Rise/Fall Speed
- Take a look (evaluate a symptom) of Signal amplitude









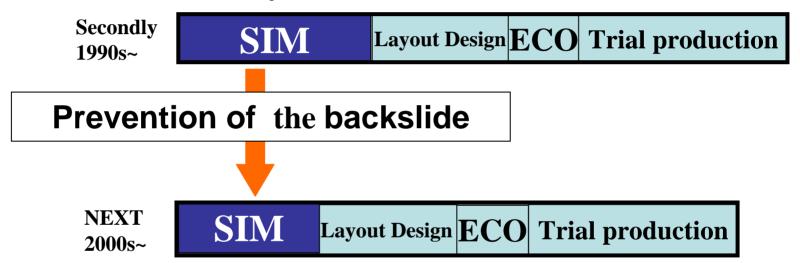
Procurement	Verification
IBIS model	IBIS model

Correction IBIS model

Make decisions on SI view

To minimized the time of SI simulation

Pre Layout Simulation

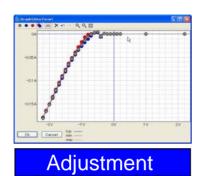


Front loaded SI Engineering

As far in advance as possible

(Reduce the time of SIM)

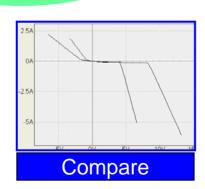
Usefulness & Comfortable

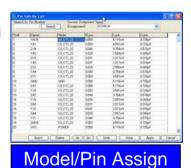




Creative Engineering imagination comes into practical use







IBIS model goes mainstream

Make IBIS more comfortable

もっとIBISを快適に

