

JEDAT 사 SuperCap

A. 목적 : Fastest Capacitance Calculation

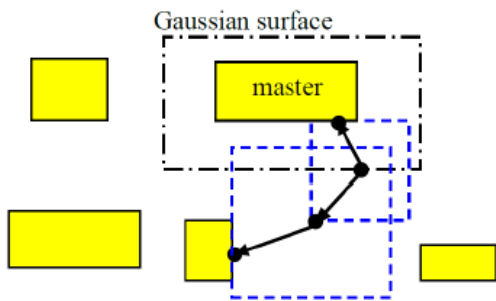
B. 구분 : Capacitance Calculation with Fastest Speed by using FRW (Floating Random Walker) method

C. Supported Platform and O/S System

- RHEL 6, 7, 8 (64bit)
- Windows 10, 11 (64bit)

D. 특성 및 기능

- Floating Random Walker Method를 이용한 빠른 Capacitance 계산 제공 (오차율 3% 내 99.73%)
- 여러 Flat Panel Design (LCD, OLED, Touch Panel ETC)에서 검증된 정확도 제공
- Well-Known 일본 기업 및 국내 기업에서 검증된 Cap 해석 관련 Sign-off Solution



- Potential of electrostatic field

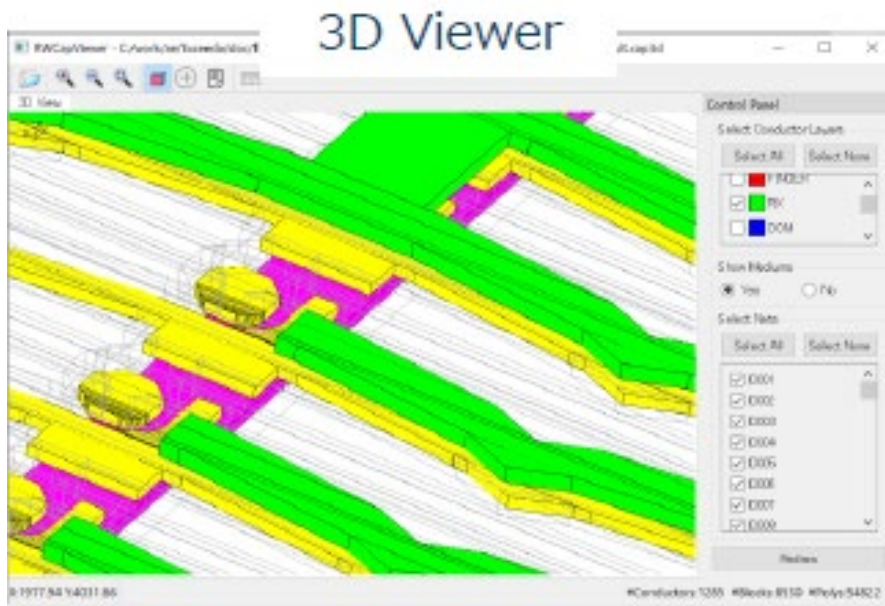
$$\phi(\mathbf{r}) = \oint_{S_1} P_1(\mathbf{r}, \mathbf{r}^{(1)}) \phi(\mathbf{r}^{(1)}) ds^{(1)}$$
- Monte Carlo integrals

$$\phi(\mathbf{r}) = \frac{1}{M} \sum_{m=1}^M \phi_m$$

$$\phi(\mathbf{r}) = \oint_{S_1} P_1(\mathbf{r}, \mathbf{r}^{(1)}) \oint_{S_2} P_1(\mathbf{r}^{(1)}, \mathbf{r}^{(2)}) \dots$$

$$\oint_{S_k} P_1(\mathbf{r}^{(k-1)}, \mathbf{r}^{(k)}) \phi(\mathbf{r}^{(k)}) ds^{(k)} \dots ds^{(2)} ds^{(1)}$$

Floating Random Walker Method



2D layout 에 대한 3D view 도구 제공

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