

SILVACO Your TCAD to EDA Partner

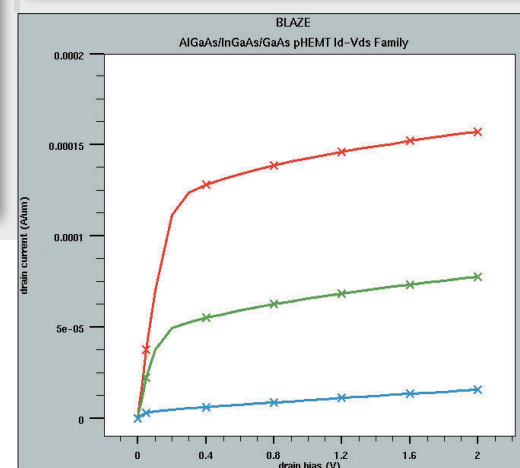
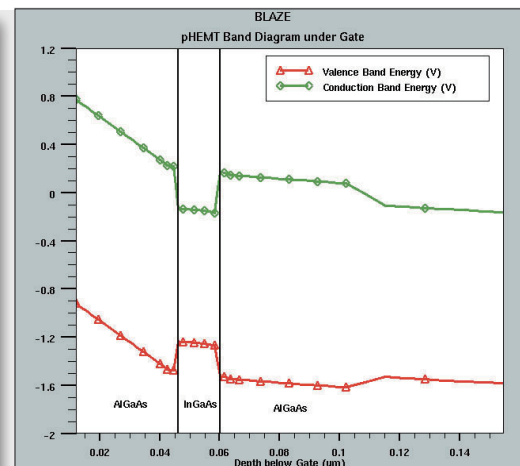
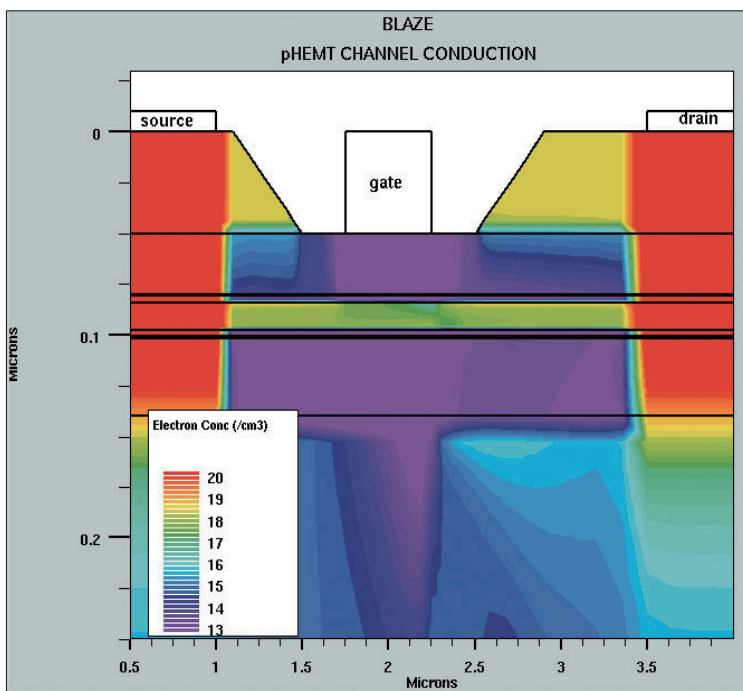
Blaze

2D DEVICE SIMULATOR FOR ADVANCED MATERIALS

Blaze simulates devices fabricated using advanced materials. It includes a library of binary, ternary and quaternary semiconductors. Blaze has built-in models for graded and abrupt heterojunctions, and simulates binary structures such as MES-FETS, HEMT's and HBT's.

Complete HEMT and PHEMT Characterization

The simulation of FETs based on multiple semiconductor materials is possible with Blaze. Models within Blaze include the effects of heterojunction potential steps and compositionally dependent semiconductor material properties.



Solution files produced by Blaze contain internal device variables such as electron concentration. The Schottky barrier creates a depletion layer below the gate. Electrons accumulate in the narrow band-gap materials in the channel.

株式会社 シルバコ・ジャパン www.silvaco.co.jp

お問い合わせ : info@silvaco.co.jp

本社
〒244-0801
神奈川県横浜市戸塚区品濃町549-2
三宅ビル4F
TEL : 045-820-3000 FAX : 045-820-3005

京都 オフィス
〒604-8152
京都府京都市中京区烏丸通 蛸薬師下ル 手洗水町651-1
第14長谷ビル 9F
TEL : 075-229-8207 FAX : 075-229-8208