setfos
Simulation Software for Solar Cells & OLEDs

Absorption
Drift-Diffusion
Advanced Optics
Emission

www.fluxim.com

swiss made software
Simulate & Optimise OLEDs & Solar Cells

- Physical models developed & trusted by leading scientists.
- Sound materials & device models that have been successfully validated by dedicated experiments.
- Setfos is continuously expanding its modelling possibilities. Enabling you to stay at the forefront of the development of organic and perovskite electronic devices.

Absorption
- Coherent/incoherent layers
- Absorption profiles
- Layer specific absorptions

Advanced Optics
- Scattering (ray, Fourier) interfaces & particles (Mie)
- Birefringence
- Quantum dot down conversion

Drift-diffusion
- Electronic & ionic charges
- Excitons
- Traps, doping, SRH
- DC, AC, transient solvers
- Charge recombination & generation interfaces in tandems
- Polar layers

Emission
- Coherent/incoherent layers
- Spectral emission
- Mode analysis
- Quenching
- Emission zone fitting

Setfos simulates OLEDs from charge injection to light extraction.

Advanced Optics module to optimize layer stacks with scattering elements.

Perform full electro-optical simulations and optimizations of tandem solar cells.

Validate your research with the predictive power of Setfos

New possibilities for ionic devices such as perovskite solar cells and LEDs.

Advanced features
- Use the optimization toolbox to improve your device or to extract physical parameters.
- Sweep material parameters to analyze their influence on the device performance.
Setfos is Easy to Use & Fast

Intuitive Graphical User Interface

• Easily design OPV and OLED devices via graphical user interface
• Device structure visualization
• Key graphs and reports are automatically generated
• Run multiple simulations in parallel

Optimize with unrivaled speed

• Setfos multithreading ensures electrical and optical device properties can be calculated in a few seconds
• Setfos includes fitting and optimization algorithms
• Extract physical parameters and optimize the device layout

Stay organized by simultaneously managing multiple simulation runs in the GUI work space and compare selected results in the same plot.

Full technical support is included with every purchase of a Setfos software license.

Contact us today to arrange a free 1 month evaluation license.

Trusted by Academics & Industry

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