

# setfos

Simulation Software for Solar Cells & OLEDs



Absorption

Drift-Diffusion

Advanced  
Optics

Emission



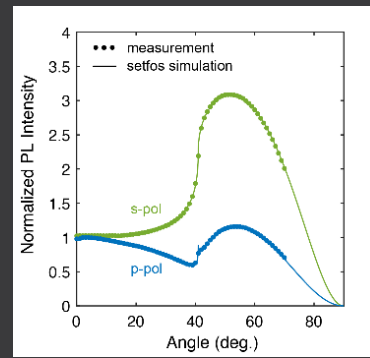
[www.fluxim.com](http://www.fluxim.com)

 swiss made software

 **FLUXiM**

# 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.



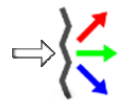
## Absorption



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



## Advanced features



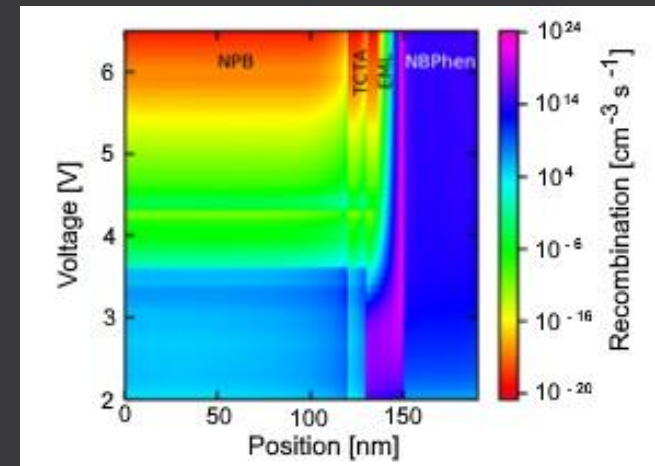
Use the **optimization toolbox** to improve your device or to extract physical parameters.



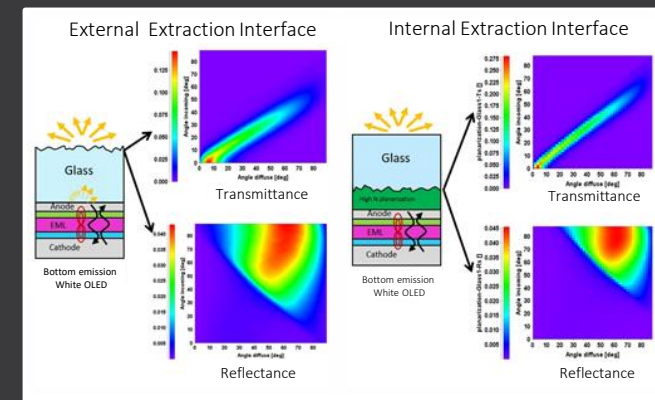
**Sweep** material parameters to analyze their influence on the device performance.

# Accelerate Your Research with Setfos

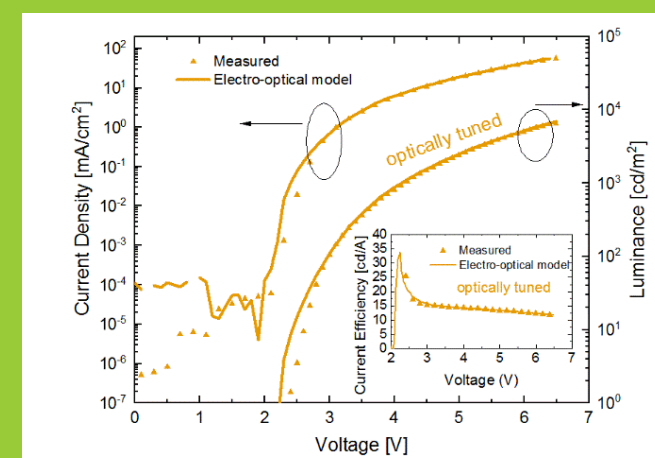
Setfos simulates **OLEDs** from charge injection to light extraction.



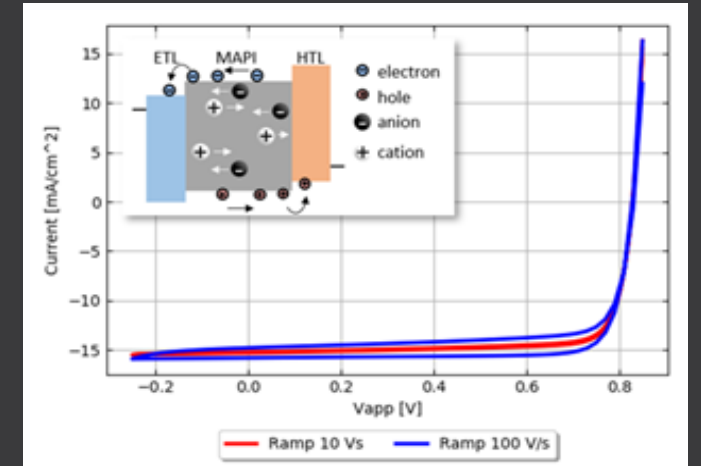
**Advanced Optics** module to optimize layer stacks with scattering elements.



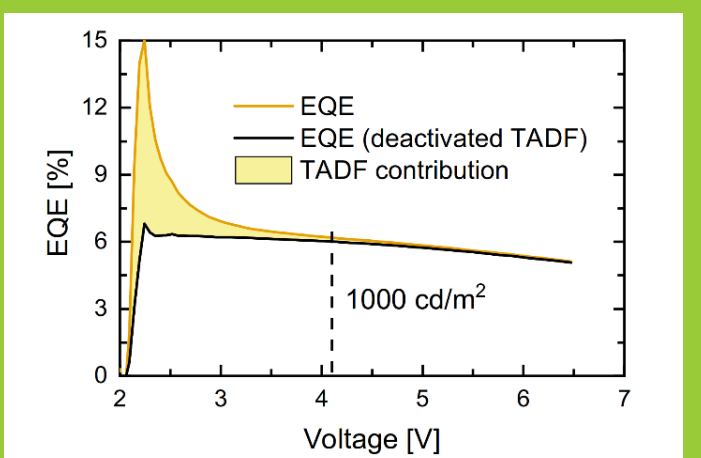
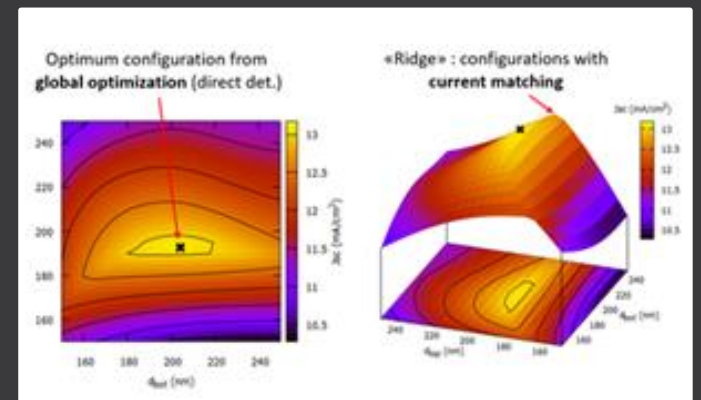
Validate your research with the predictive power of Setfos



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



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



**setfos**

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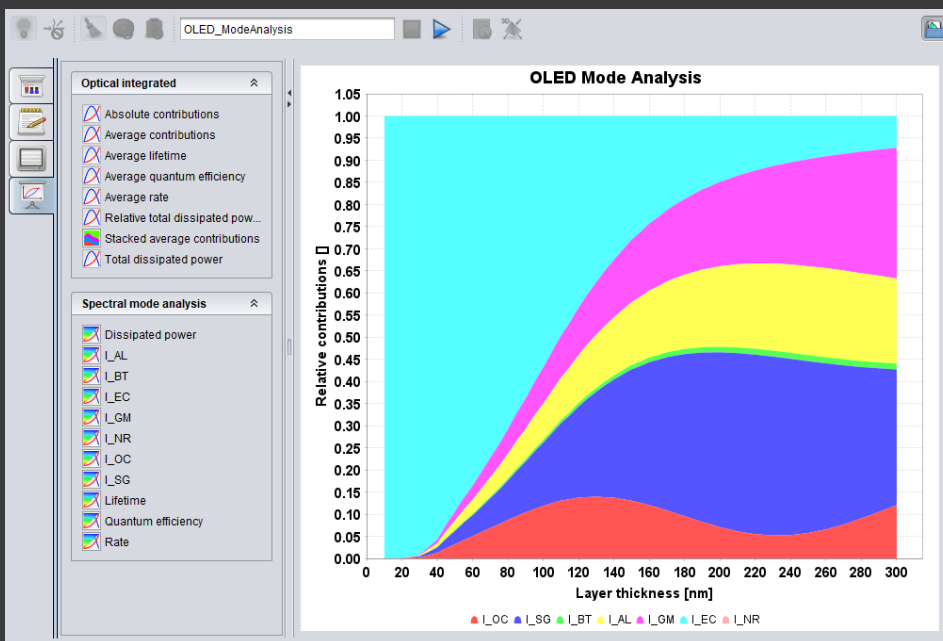
# Setfos is Easy to Use & Fast

## 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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