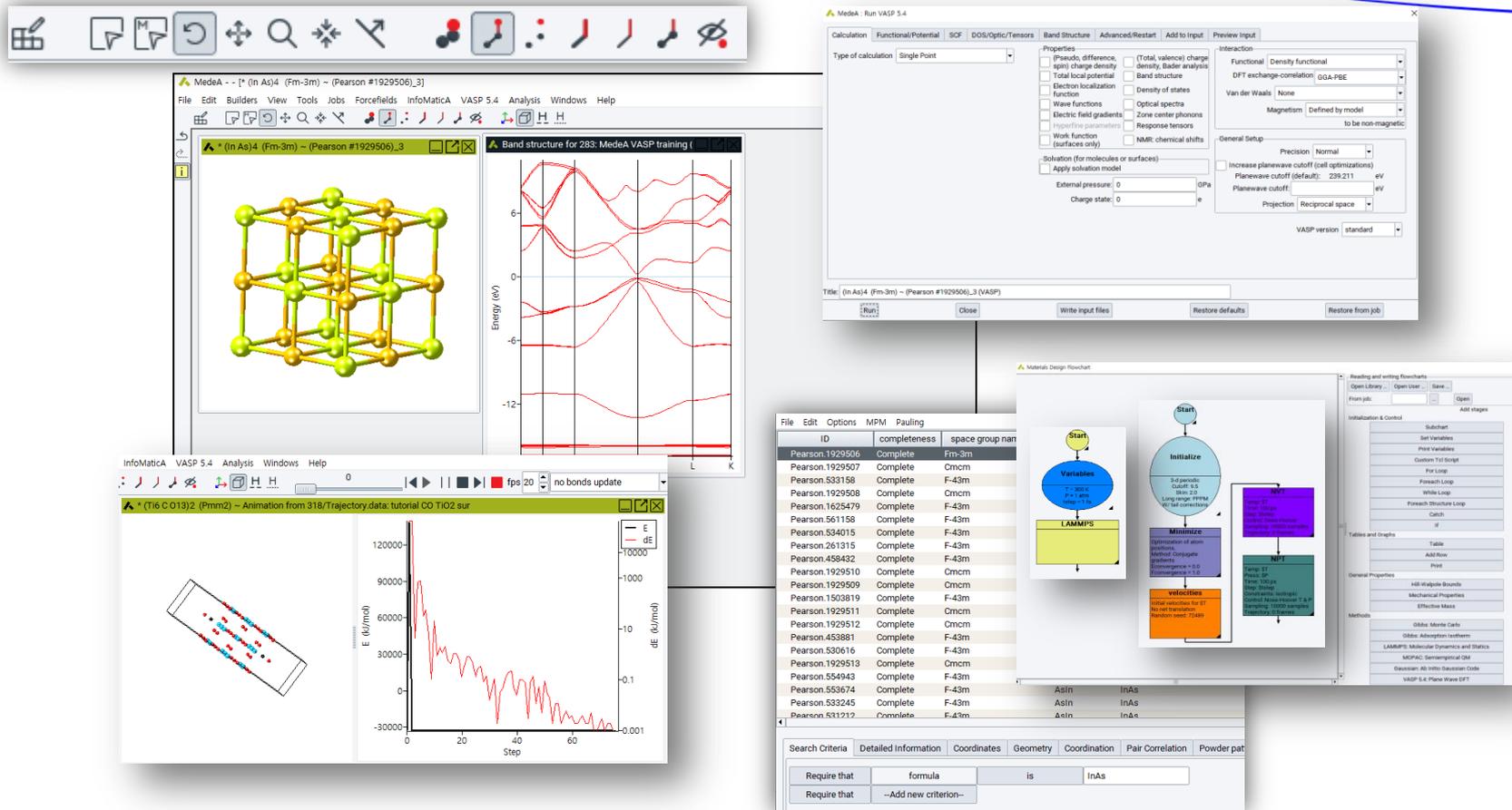


MedeA 3.0 New Features

(주)경원이앤씨

New features

- Graphical user interface
- Attach Fragments Dialog
- Electronics
- Optical Spectra

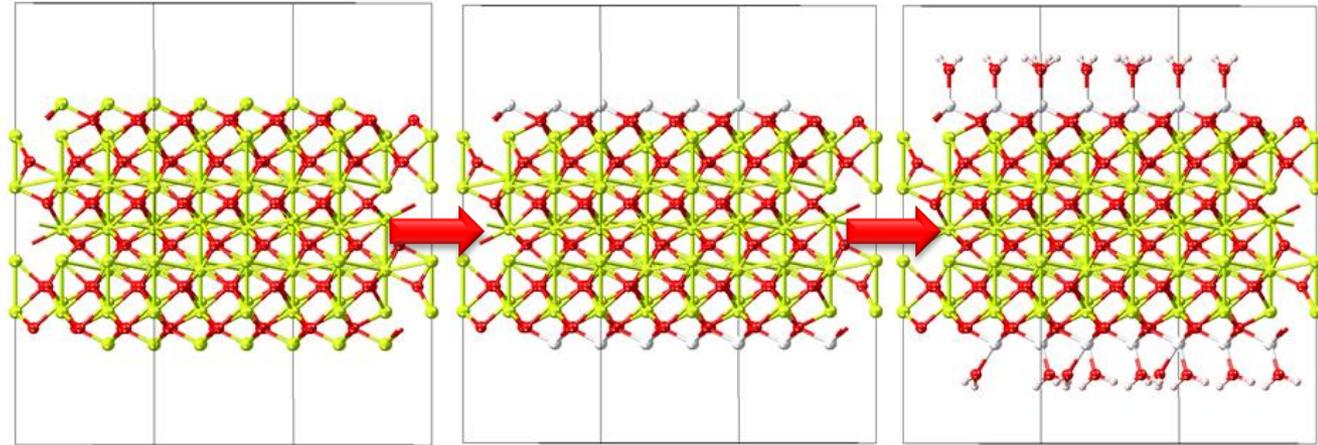
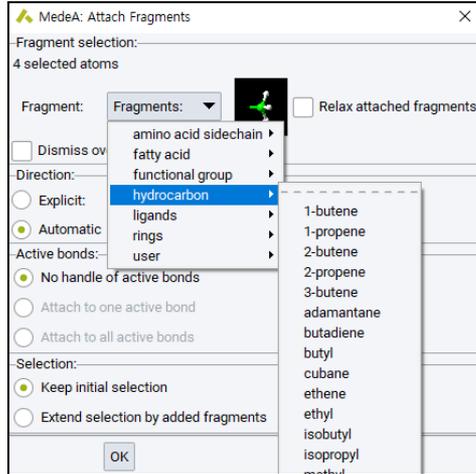


The screenshot displays the Medea VASP 5.4 GUI with several active windows:

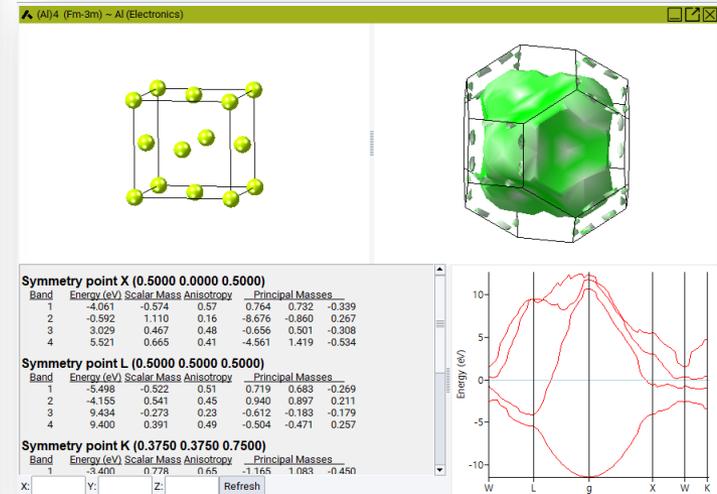
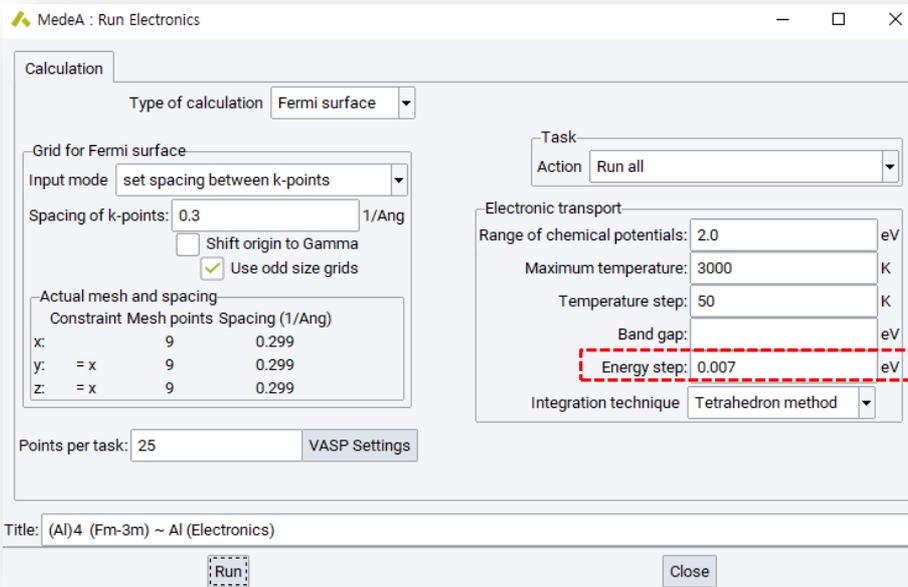
- Band Structure for 283: Medea VASP training (**: Shows a 3D ball-and-stick model of a crystal structure and a corresponding band structure plot with Energy (eV) on the y-axis.
- Medea Design flowchart**: A flowchart showing the simulation process: Start → Variables → LAMMPS → Initialize → Minimize → Velocities → NPT.
- Materials Design flowchart**: A table listing materials with their IDs, completeness, and space group names.
- Simulation Results**: A plot showing Energy (E) and its derivative (dE) over time (Step).
- Search Criteria**: A search interface with fields for 'Require that', 'formula', 'is', and 'InAs'.

- Medea environment 및 Tools의 전반적인 업데이트
- 기존 Medea 2.22v 보다 한 층 더 가벼워진 User interface

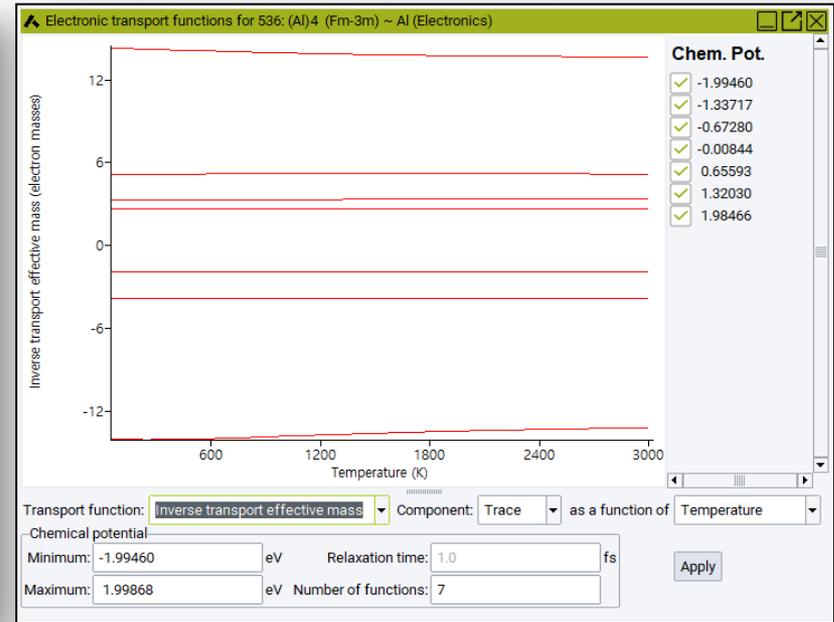
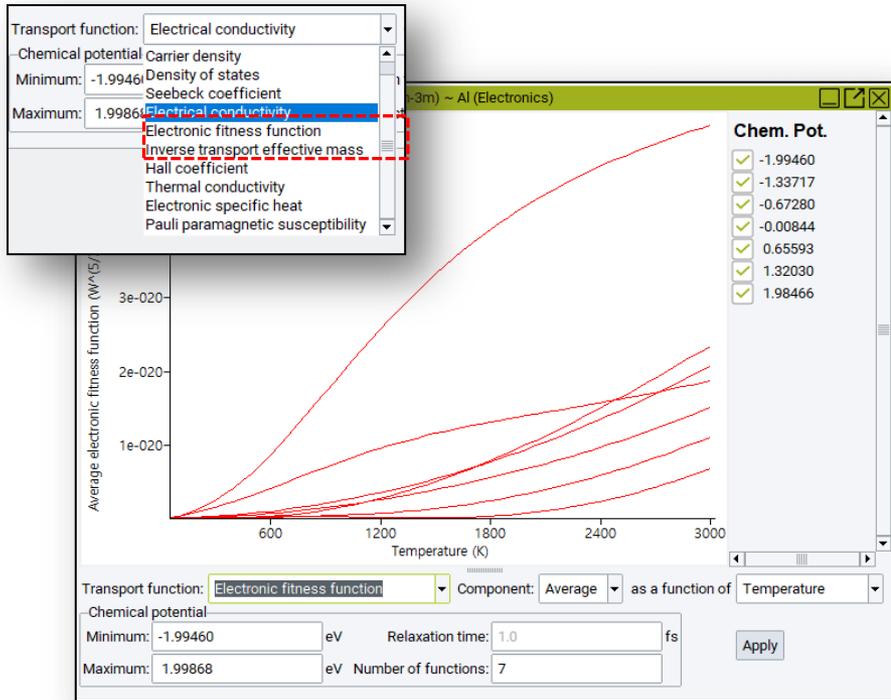
Attach Fragments Dialog



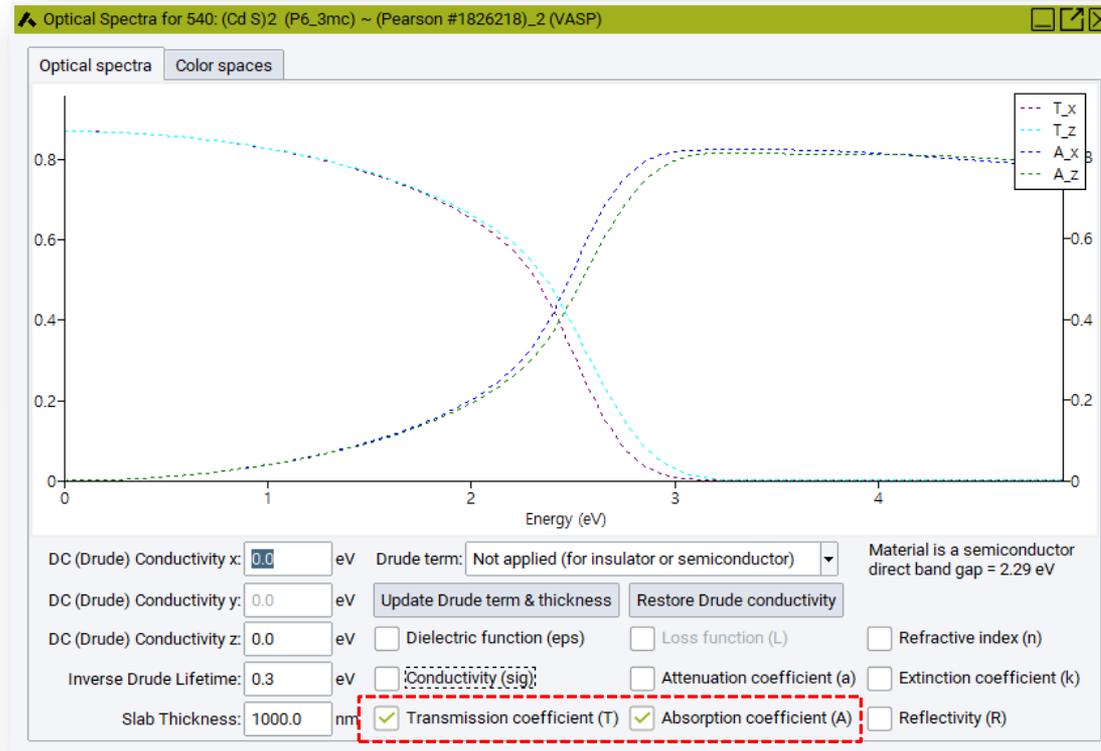
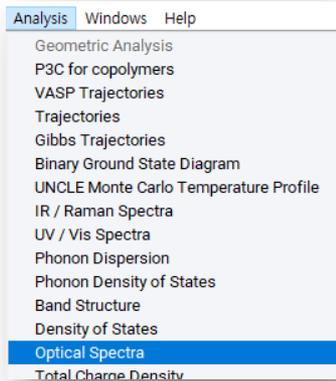
- Attach Fragments 항목 추가
- 원하는 표면 선택 후 Fragment 추가 가능



- Access to the energy increment for numerical integration from the GUI of MedeA Electronics to fine-tune transport properties
- The **Energy step** field allows you to customize the energy increment for numerical integrations, which can be useful to tune the accuracy of the integration algorithm.



- Additional transport functions: electronic fitness functions, inverse transport effective masses



Transmission coefficient (T)

This toggles the display of the transmission coefficient (T) together with the legend entries for individual toggling. The transmission coefficient is strongly affected by the Slab Thickness.

Absorption coefficient (A)

This toggles the display of the absorption coefficient together with the legend entries for individual toggling.

- Save as postscript
- Export to text file
- Export to CSV
- Export to picture
- Increase lines width
- Decrease lines width
- Unzoom
- Export selected data
- Change energy/wavelength units

MedeA: energy/frequency/wavelength units

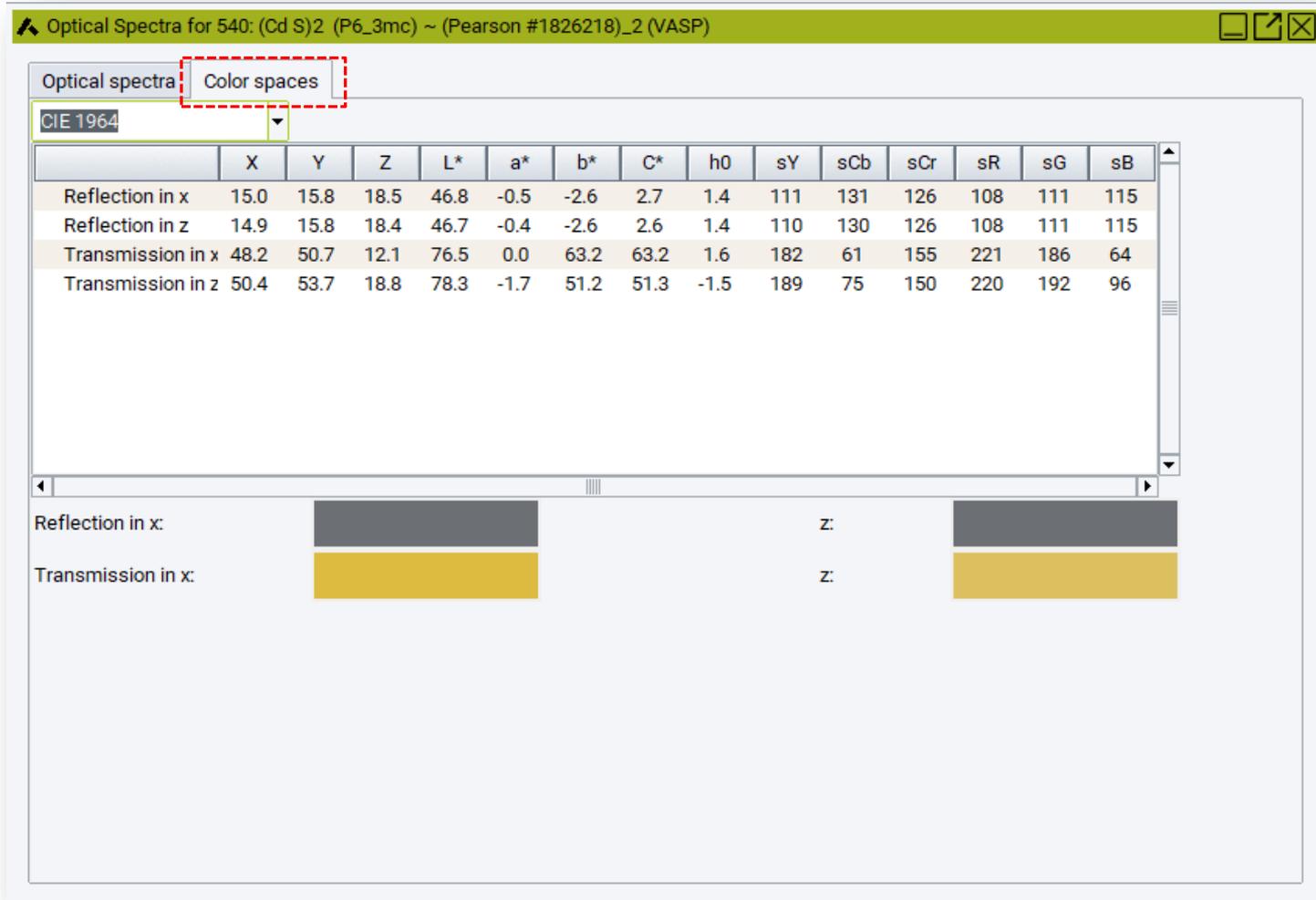
Current units are: eV

New energy/frequency/wavelength units:

OK Cancel



Wavelength Unit 변경



Color spaces 확인

Thank you

KWEnC CAE solution provider

Mail to : support@kwenc.kr

Phone : +82-31-737-2987

Fax : +82-31-737-2986

Address : 704, Woolim Lions Valley, 311-3 Sangdaewon, Jungwon, Seongnam, Gyeonggi,
462-806 Korea

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