About ColorBARS

ColorBARS is a member of the BARS Suite, which was developed by Connor Callaway, Vivian Bond, and SeungMin Lee (with contributions to the initial BARS file from Parveen Sood) as a part of the CNBT Laboratory under Seung Soon Jang.

The BARS Suite is a series of programs intended to offer extended functionality and/or quality-of-life improvements to various modules in Materials Studio (Accelrys/BIOVIA) and some in-house procedures as well. The suite was named in reference to the original program written for this project, the Blends Analysis/Refinement Script (BARS), and the associated script preparation utility, BARStool. From there, names were chosen almost entirely for the purpose of puns.

ColorBARS offers rapid and automated processing of DPD results files (.mtd filetype) created through Materials Studio. This processing includes species-based field particle and mesomolecule coloration, species visibility controls, and DPD box rebracketing based on the mesomolecular bond density throughout the system. For more information, see Help.

We intend for users of this suite to find enhanced productivity through either deeper insights provided by programs in this suite or the automation of monotonous tasks. If you have suggestions for improvement or if you identify a reproducible bug, please contact Connor Callaway (connor.callaway@gmail.com).

Thank you for using the BARS Suite!