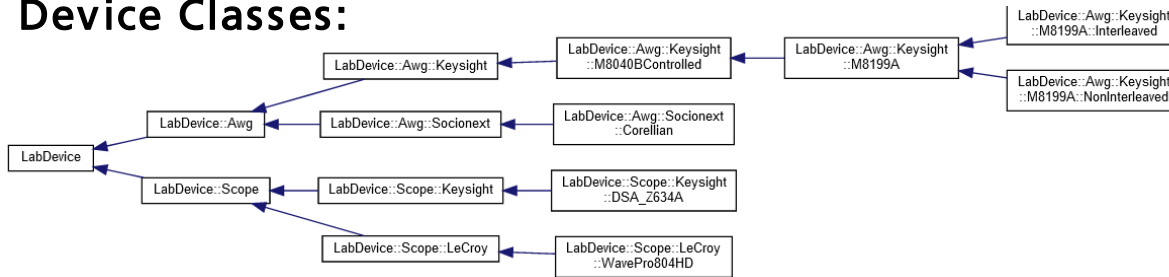


Object-Oriented Programming in Matlab for Laboratory Automation

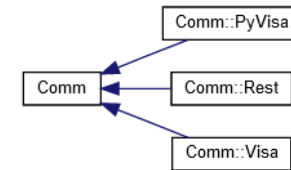
OOP to reduce software complexity

- By using OOP you can manage your codes into logical blocks that are easier to maintain and extend. This can be applied to laboratory equipment and functions.
- As an example:

Device Classes:



Interface Classes:



- The programming would then be simplified to:

Set value → `voa.attenuation = 10;`

Save/read value → `att = voa.attenuation;`

} Generic example on OOP in MATLAB for a variable optical attenuator (VOA)

<https://de.mathworks.com/products/matlab/object-oriented-programming.html>