

Interactive Development Environment (IDE) Overview

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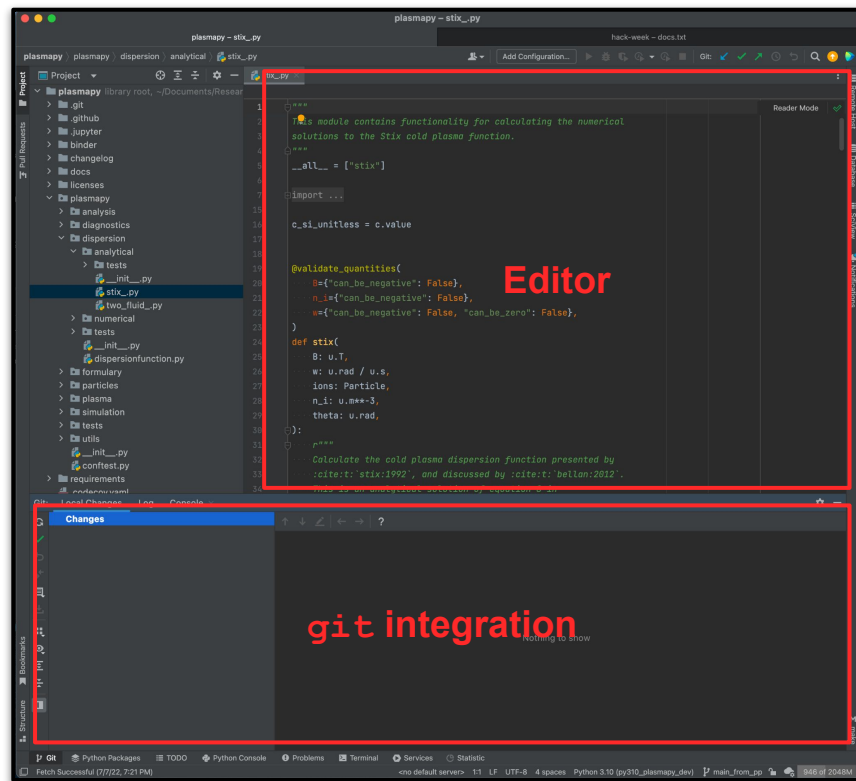
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What is an IDE?

- Interactive Development Environment (IDE)
- A software program that provides a comprehensive workspace for programmers to develop software in.
- IDEs typically incorporate:
 - Source code editor
 - Code compilers
 - Debuggers
 - Terminals
- Can have sophisticated tools like:
 - Test runners
 - git integration
 - GitHub Integration
 - Code inspection and Linters



Common IDEs

	Spyder	PyCharm	VSCode
Provided by		Jet Brains	Microsoft
Open-Source	Yes	Yes & No	Yes
Free	Yes	Yes & No	Yes
Code editor	Yes		
Built-in Terminal	Yes		
Built-in Debugger	Yes		
git Integration	No	Yes	
GitHub Integration	No	Yes	
Extendable	Yes		