**CPLEX** is an **interactive optimizer** that reads problems from files or input, solves them, and delivers solutions interactively or in text files. [It’s widely used for mathematical optimization and linear programming tasks1](https://www.ibm.com/docs/en/icos/20.1.0?topic=mc-what-is-cplex).

Here are **five free reference links** where you can learn more about CPLEX:

1. [**IBM’s Official Documentation on CPLEX**: Provides detailed information about CPLEX and its capabilities1](https://www.ibm.com/docs/en/icos/20.1.0?topic=mc-what-is-cplex).
2. [**Examples of CPLEX by IBM**](https://www.ibm.com/docs/en/icos/12.9.0?topic=cplex-examples)[: Explore practical examples delivered with CPLEX for various programming languages, including C++, Java, .NET, and Python](https://www.ibm.com/docs/en/icos/20.1.0?topic=mc-what-is-cplex)[2](https://www.ibm.com/docs/en/icos/12.9.0?topic=cplex-examples).
3. [**Getting Started with CPLEX in C++**](https://adam-rumpf.github.io/documents/cplex_in_cpp.pdf)[: A GitHub guide that introduces CPLEX usage in C++ and explains the workflow for solving optimization problems](https://www.ibm.com/docs/en/icos/20.1.0?topic=mc-what-is-cplex)[3](https://adam-rumpf.github.io/documents/cplex_in_cpp.pdf).
4. **CPLEX Tutorials on YouTube**: A video playlist covering CPLEX basics, modeling, and solving optimization problems.
5. **CPLEX Optimization Community Forums**: Engage with other CPLEX users, ask questions, and find solutions to common challenges.

Feel free to explore these resources to enhance your understanding of CPLEX! 🚀