Instructions on how to use our computational tool to calculate

- the standard Gibbs energy of formation for aqueous species
- the dielectric constant and ionization constant of water

over a wide range of temperatures, pressures, and densities both above and below the critical point of water.

This is a simple web-based calculator built using PHP and JavaScript. It runs locally on your machine using a local server environment like **XAMPP**.

Setup Instructions

1. Download & Unzip

- Download the .zip file containing the calculator project.
- Unzip it to a folder of your choice.

2. Move to Local Server Directory

Depending on your setup (XAMPP should be downloaded and installed first):

• XAMPP: Move the unzipped folder into htdocs (usually located in C:\xampp\htdocs).

You can rename the folder (e.g., to calculator) if you'd like.

3. Start Your Local Server

- Launch XAMPP.
- Start the **Apache** server.

4. Open the Calculator in Your Browser

- Open your web browser.
- Go to: http://localhost/calculator
- Select Index file to open the calculator.