

Disclaimer and Copyright Notice for GWM (Greedy Wavelet Method) Source Code

The authors are publicly releasing the source code for the Greedy Wavelet Method (GWM) for response spectrum (RS) matching. This code implements the greedy algorithm described in the publication: Nie, J., Graizer, V., & Seber, D. (2023). A greedy algorithm for wavelet-based time domain response spectrum matching, *Nuclear Engineering and Design*, **416**, 112384. <https://doi.org/10.1016/j.nucengdes.2023.112384>

Disclaimer

This software is provided by the authors "as is" and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall the authors or their employer, the U.S. Nuclear Regulatory Commission (NRC), be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this software, even if advised of the possibility of such damage. The U.S. Government, the NRC, and their employees are not liable for any financial or other consequences incurred by the user or third parties in connection with the use of this software. The software is provided for research and informational purposes only and does not constitute a regulatory endorsement or approval of any commercial product or application.

Copyright Notice

This work, including the GWM source code, was authored by U.S. NRC employees as part of their official duties and is therefore in the public domain within the United States. While not subject to U.S. copyright law, we kindly request that any reference or use of this code credit the original publication as cited above.

Contributions and Support

We welcome comments, error reports, feature requests, and code contributions from the user community. Your feedback is valuable in improving this tool. However, please note that we do not have resources for active code maintenance, and our response to inquiries or contributions may not be timely or provided at all. Users are expected to utilize the provided documentation and the source code itself for any debugging purposes.