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## IPPL Meeting

June 13, 2023

# Expected Convergence

$$\text{Relative Error: } \eta = \frac{|x_{\text{appr}} - x|}{|x|}$$

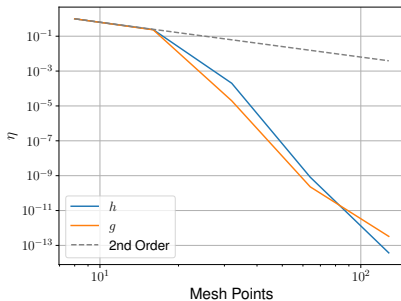


Figure 1: Relative Error Rosenbluth Potentials.

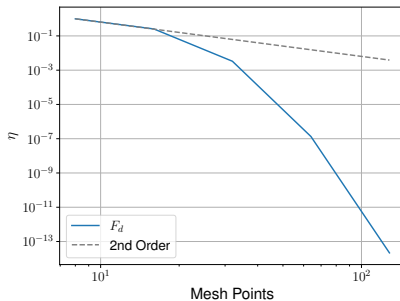


Figure 2: Relative Error Friction Coefficient  $F_d$ .

# Partial Convergence

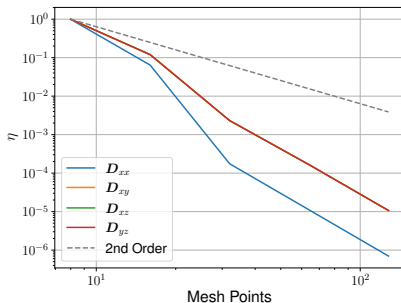


Figure 3: Relative Error Rosenbluth Potentials.

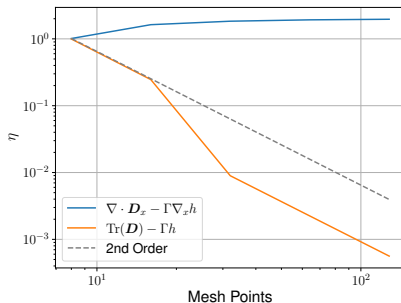


Figure 4: Relative Error Diffusion Identities.

# Appendix: Normalized Emittance in DIH

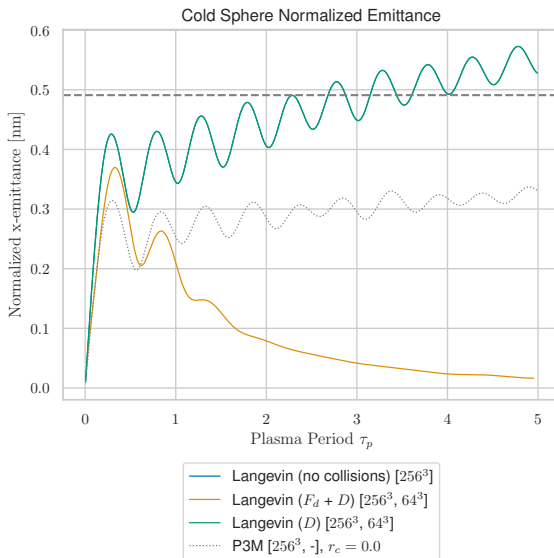


Figure 5: Normalized Emittance with / without collisions.