

Figure 1. The wave encounter frequency for current test cases vs. heave/pitch and roll natural frequencies

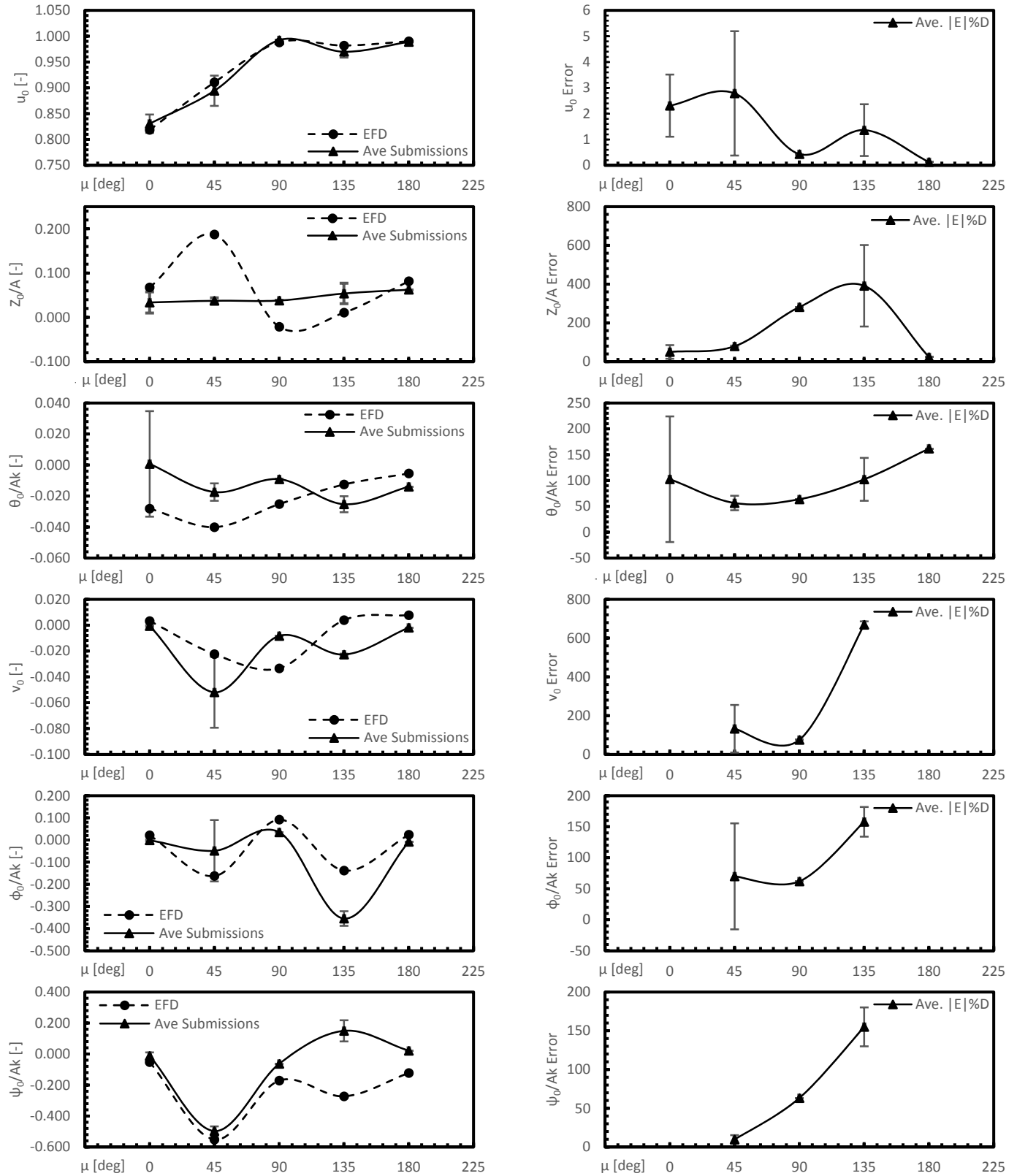


Figure 2. EFD and averaged submission values for 0th harmonic amplitudes of motions for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the standard deviation)

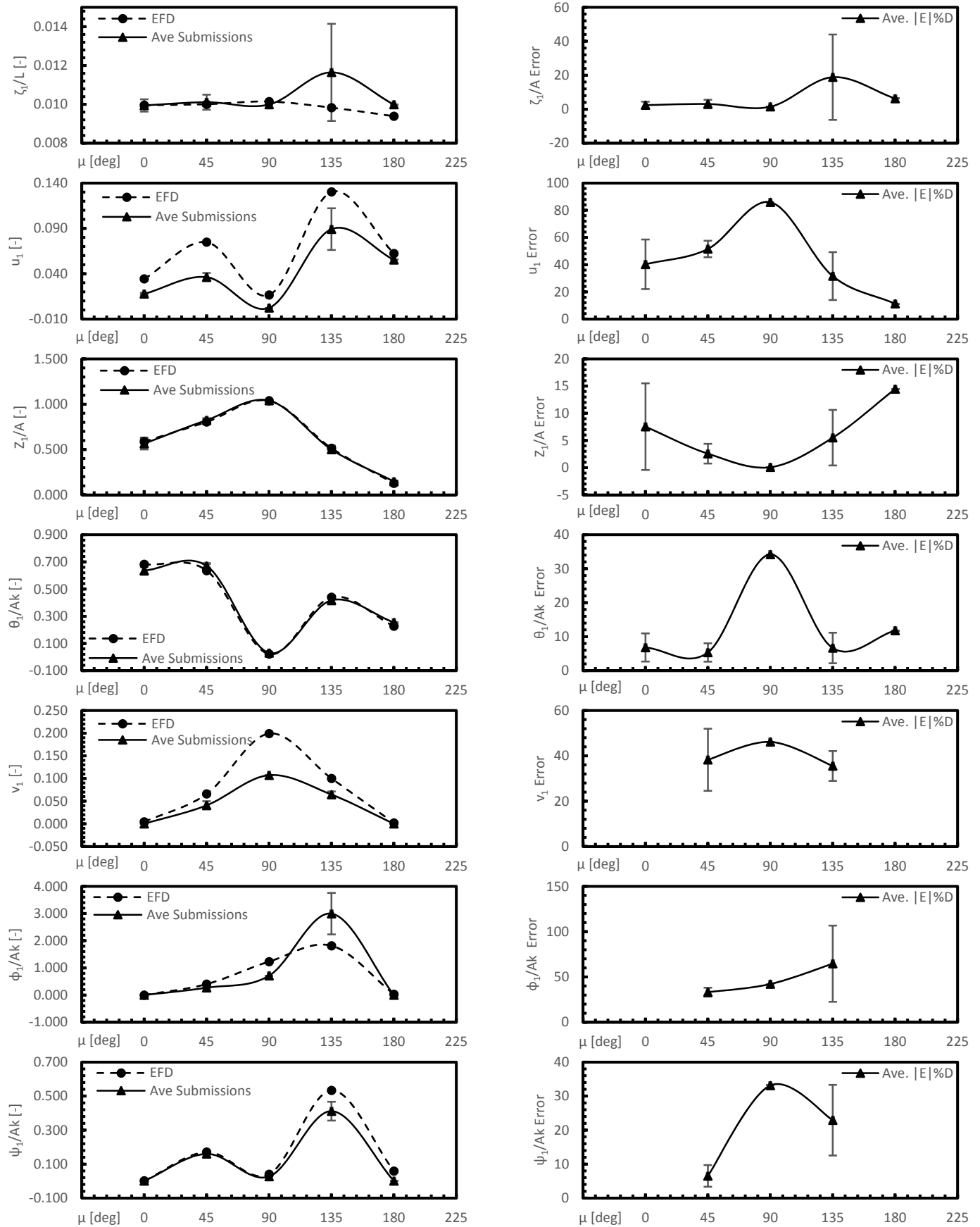


Figure 3. EFD and averaged submission values for 1st harmonic amplitudes of motions for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the standard deviation)

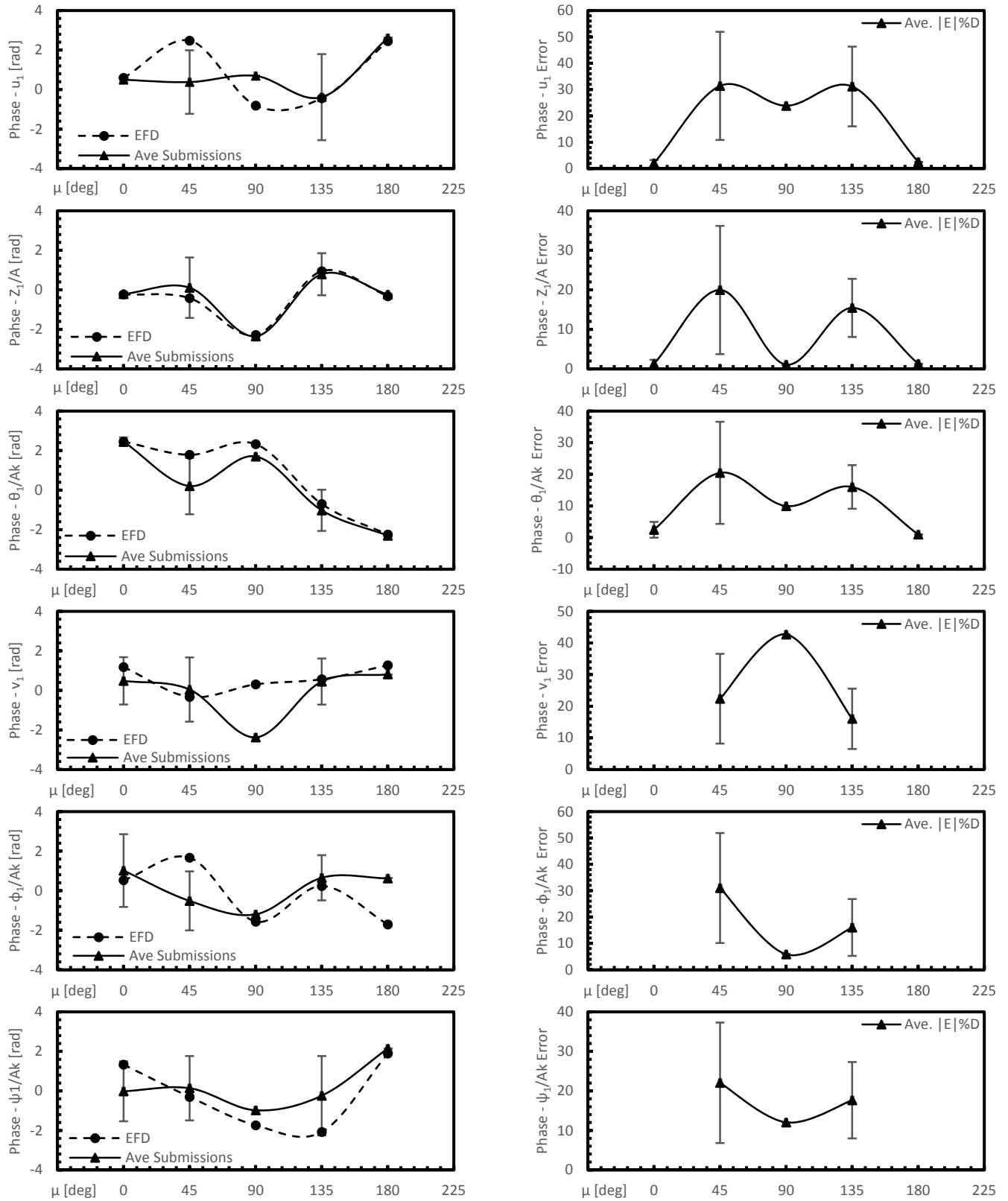


Figure 4. EFD and averaged submission values for 1st harmonic phases of motions for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the standard deviation)

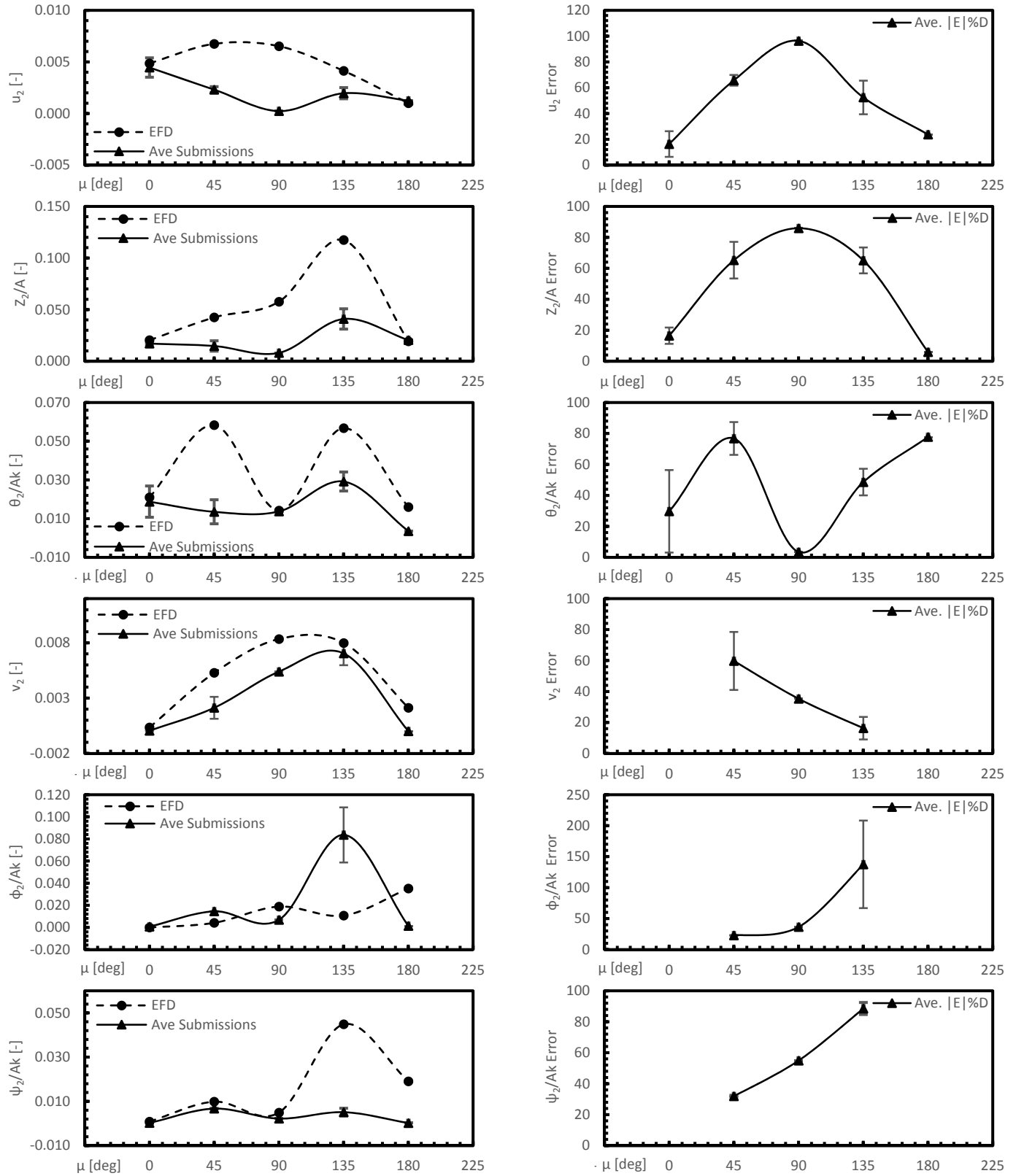


Figure 5. EFD and averaged submission values for 2nd harmonic amplitudes of motions for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the standard deviation)

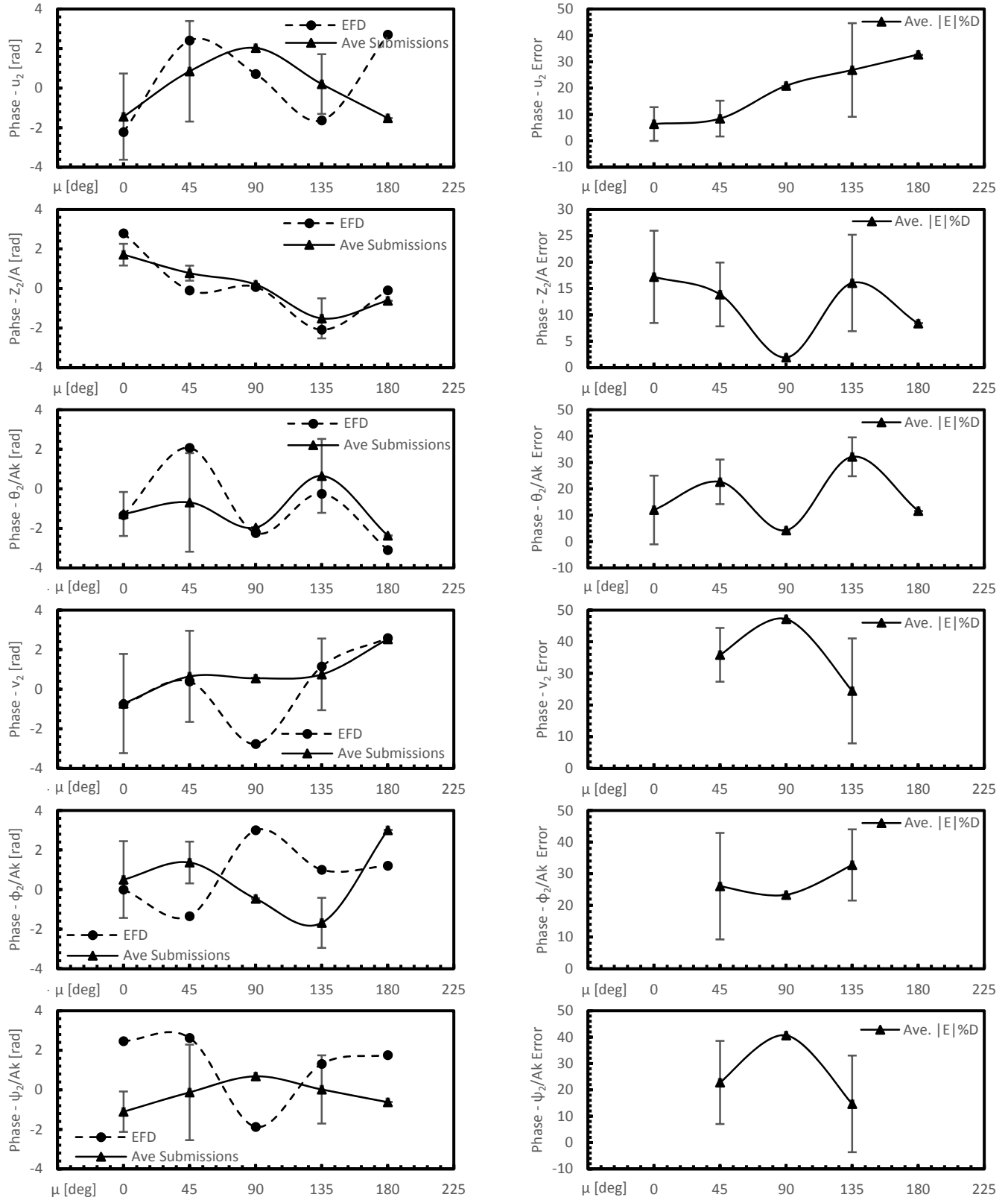


Figure 6. EFD and averaged submission values for 2nd harmonic phases of motions for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the standard deviation)

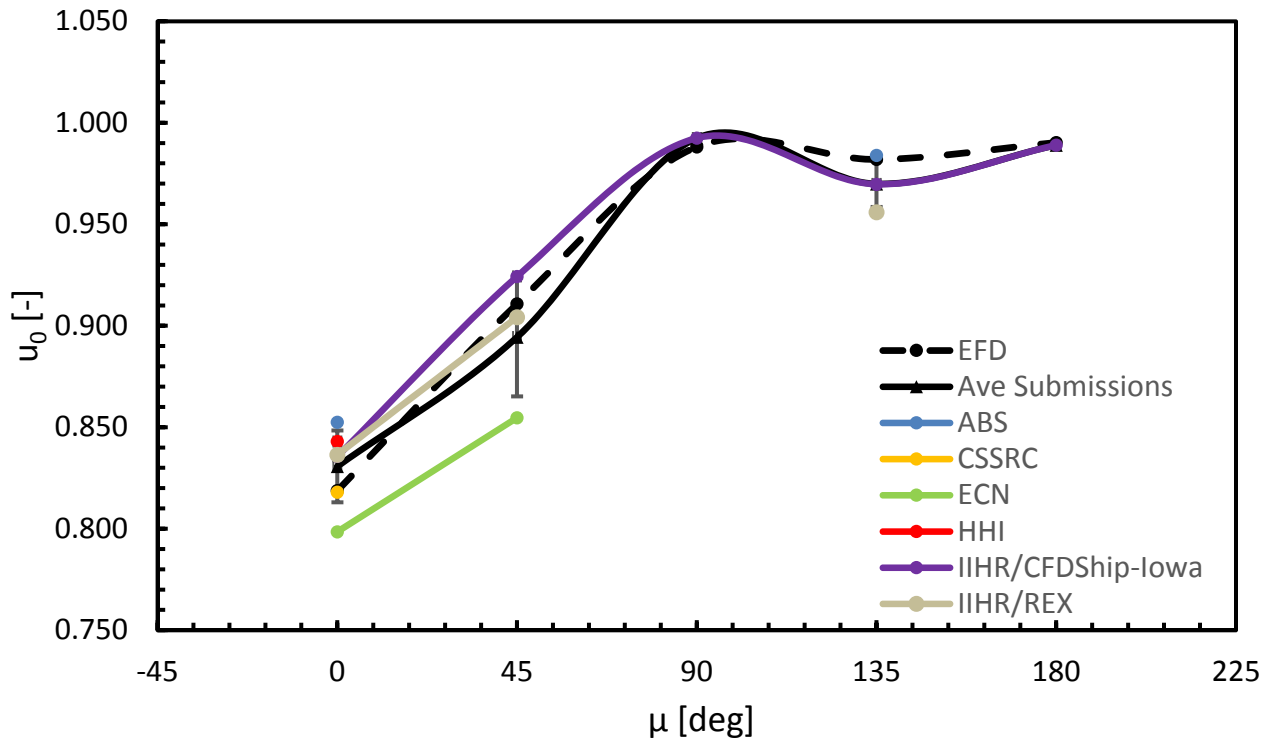


Figure 1. EFD and submissions for 0th harmonic of x-velocity for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

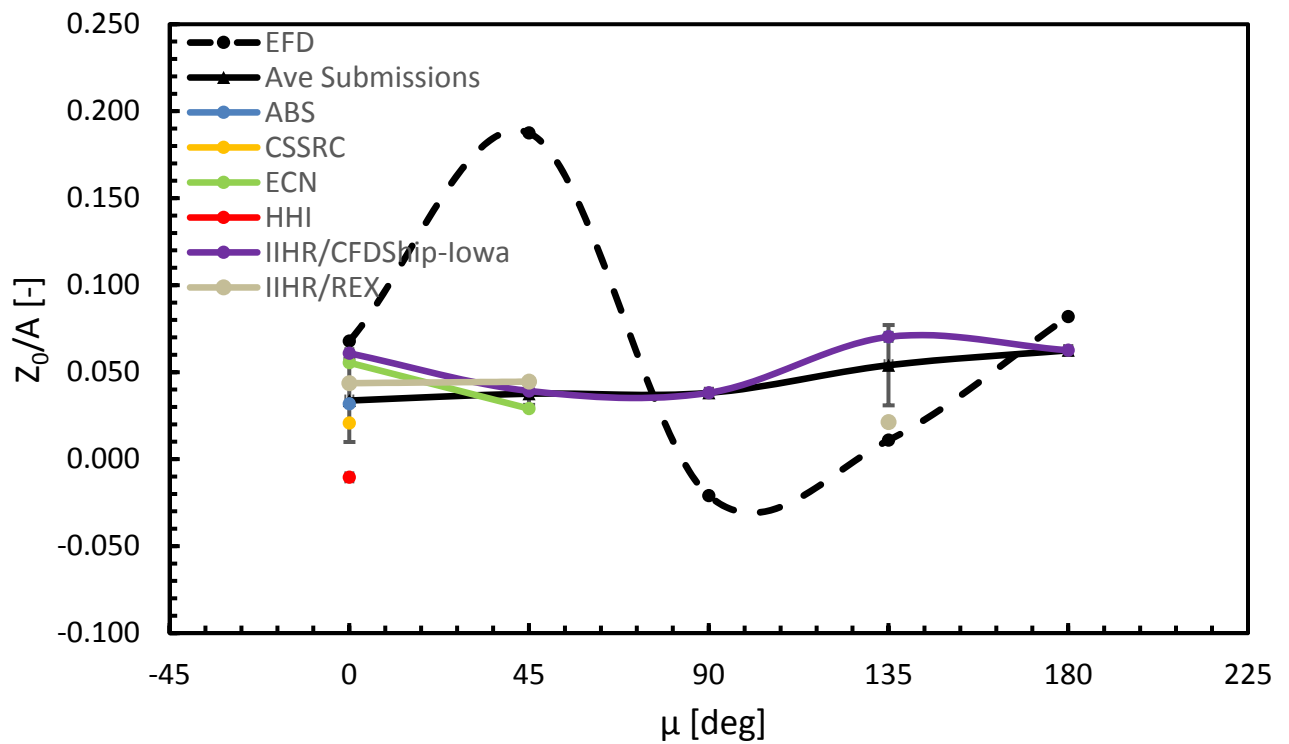


Figure 2. EFD and submissions for 0th harmonic of heave for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

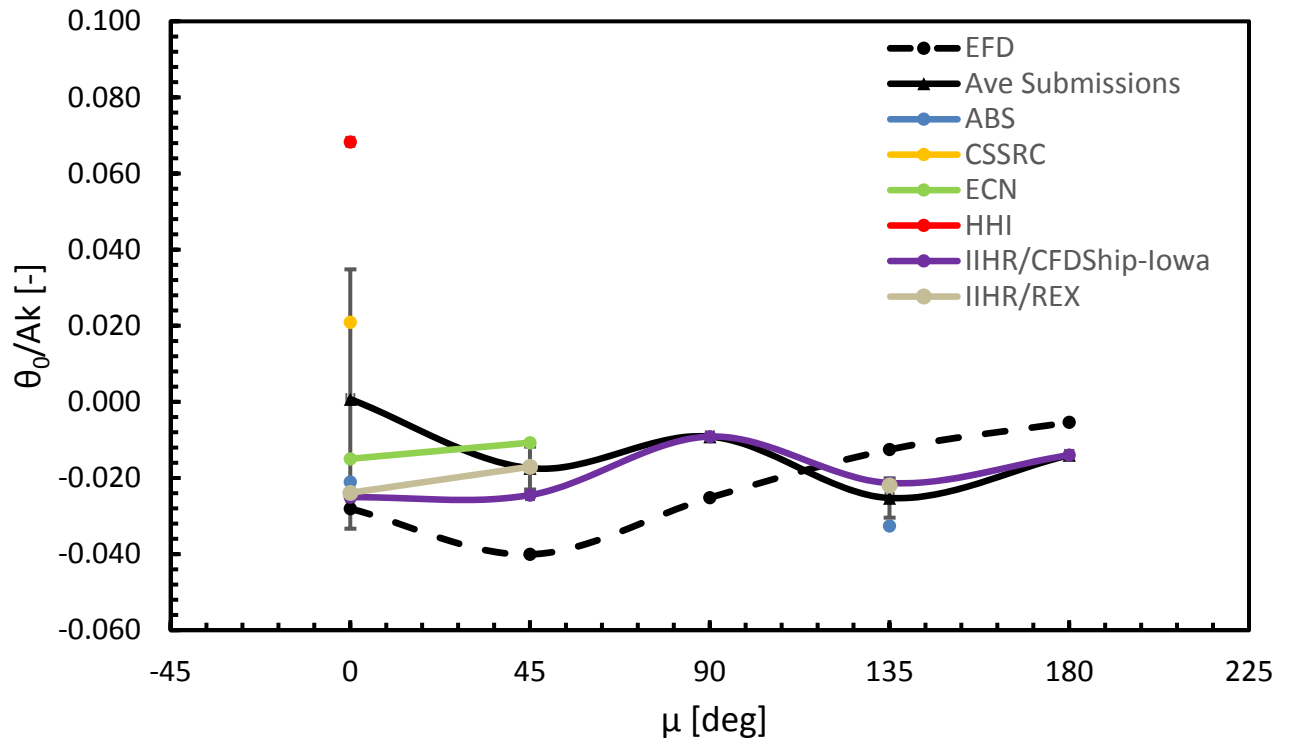


Figure 3. EFD and submissions for 0th harmonic of pitch for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the average standard deviation of submission)

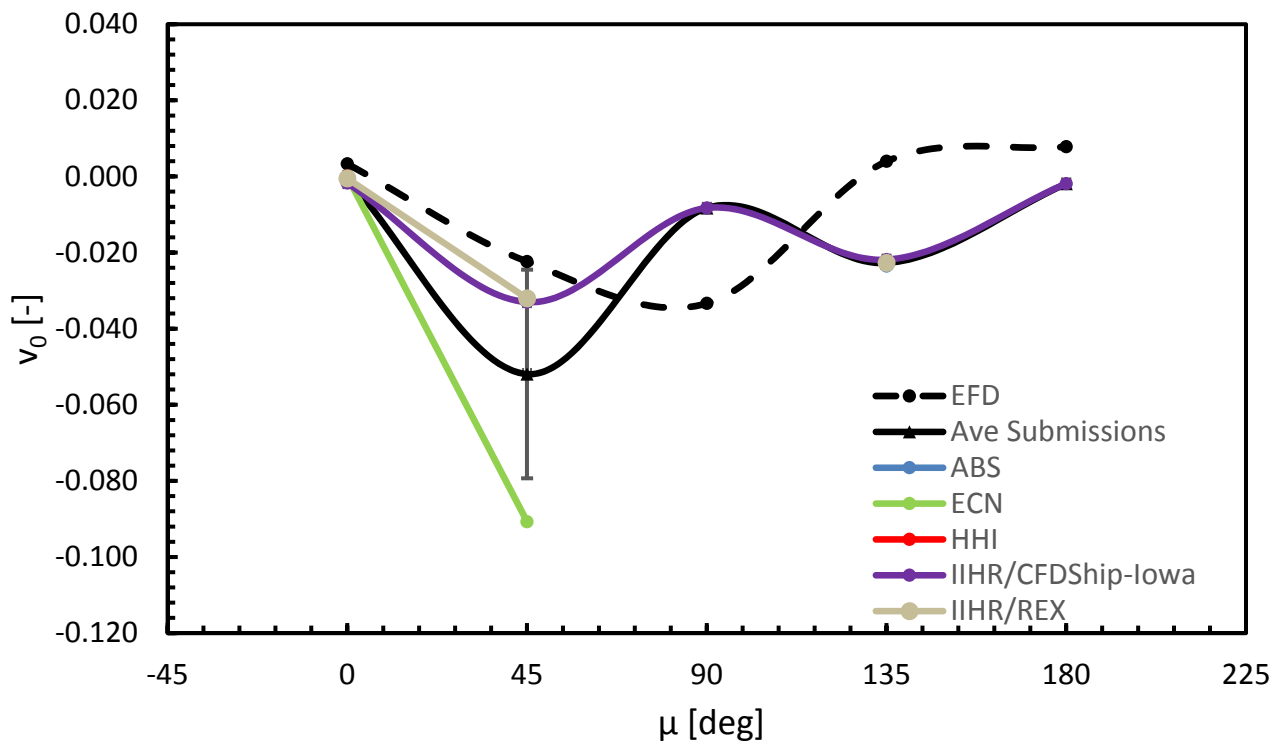


Figure 4. EFD and submissions for 0th harmonic of y-velocity for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the average standard deviation of submission)

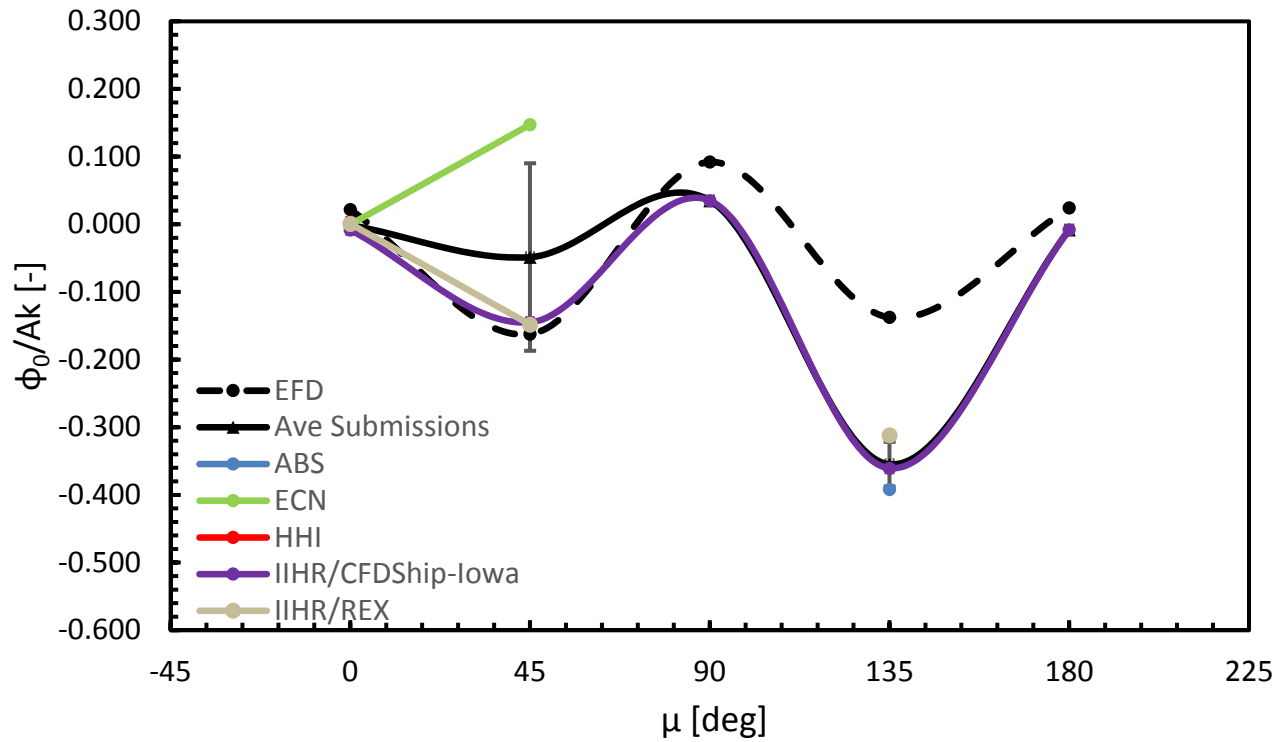


Figure 5. EFD and submissions for **0th harmonic of roll** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

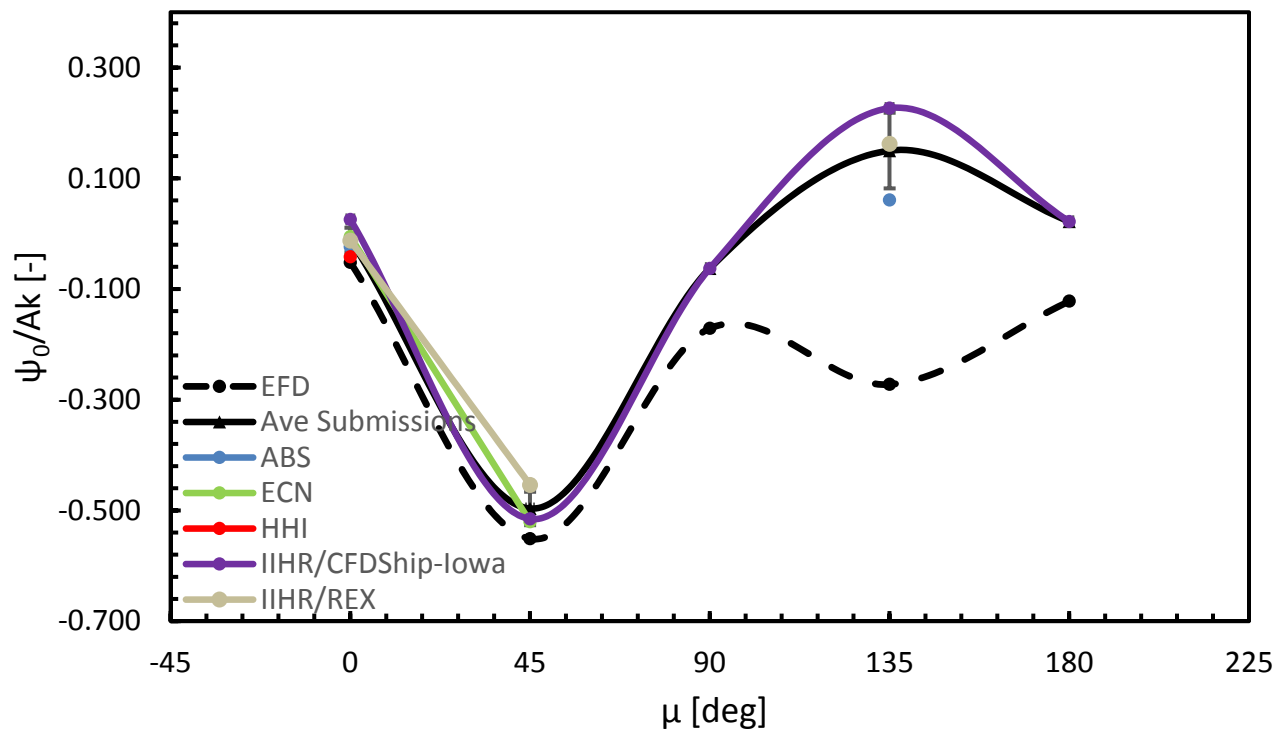


Figure 6. EFD and submissions for **0th harmonic of yaw** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

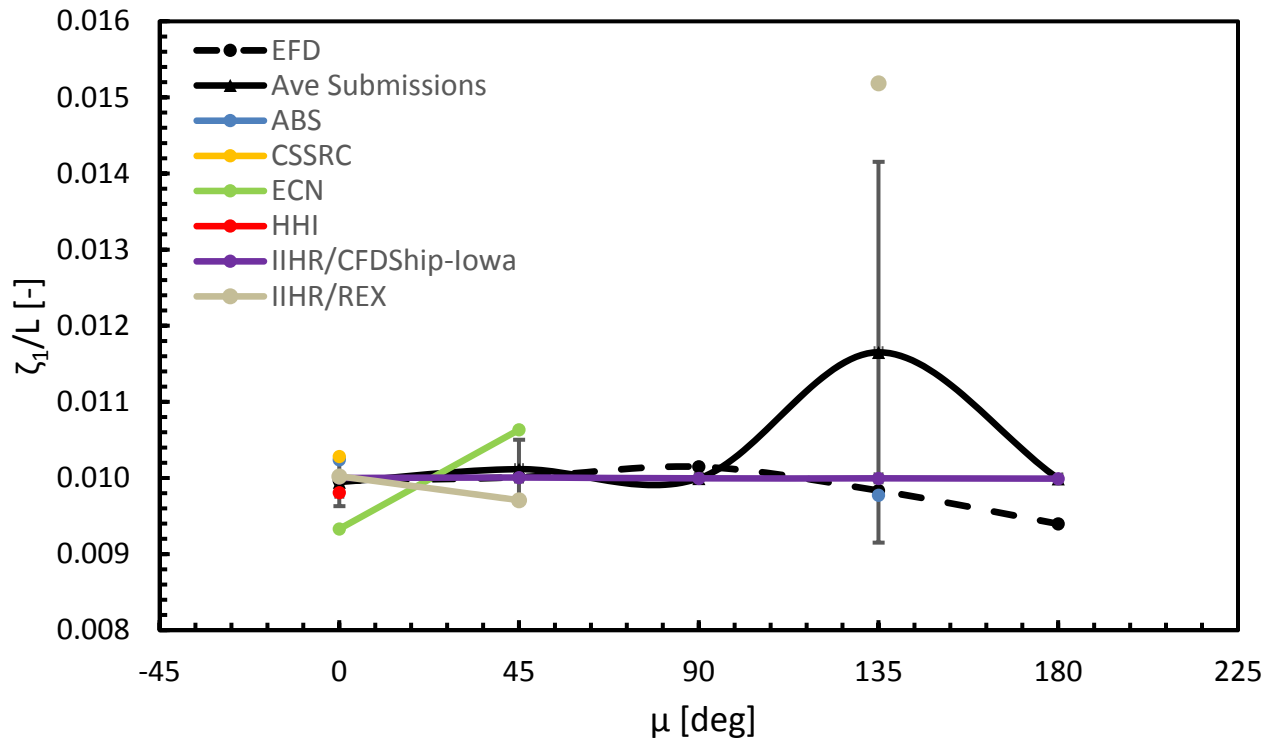


Figure 7. EFD and submissions for 1st harmonic amplitude of wave for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the average standard deviation of submission)

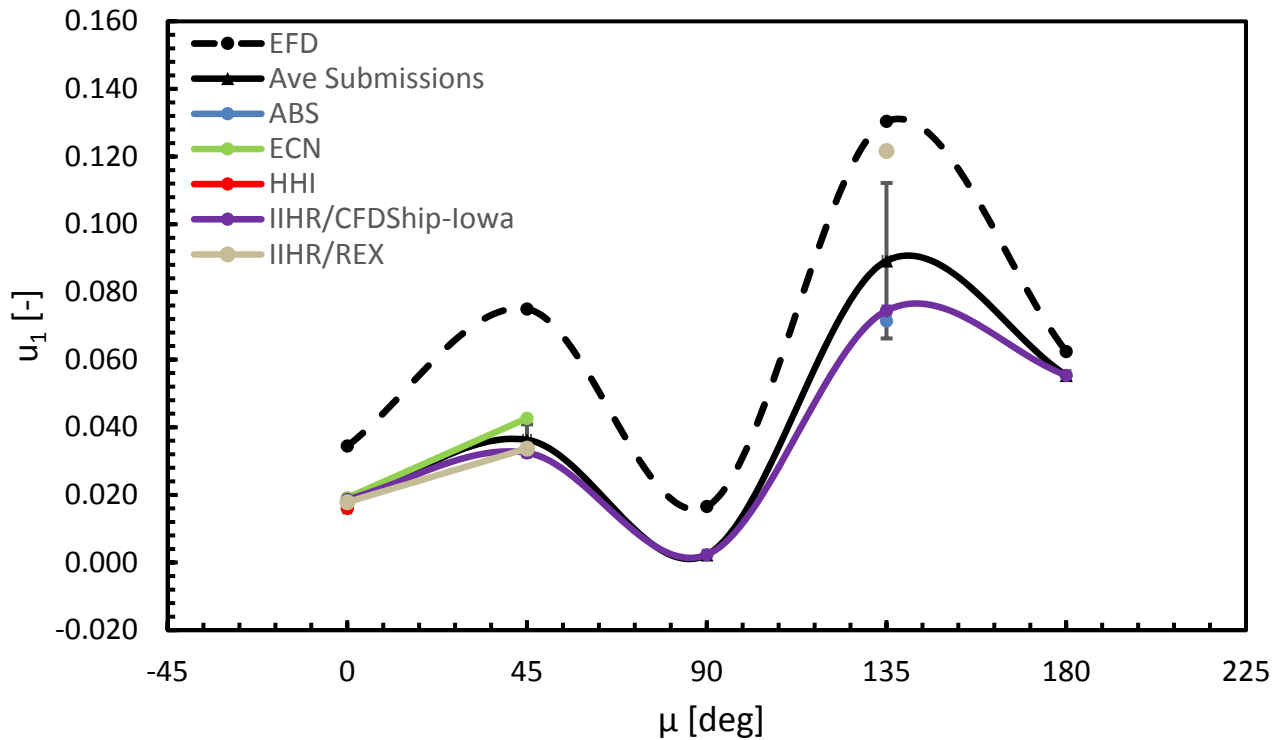


Figure 8. EFD and submissions for **1st harmonic amplitude of x-velocity** for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the average standard deviation of submission)

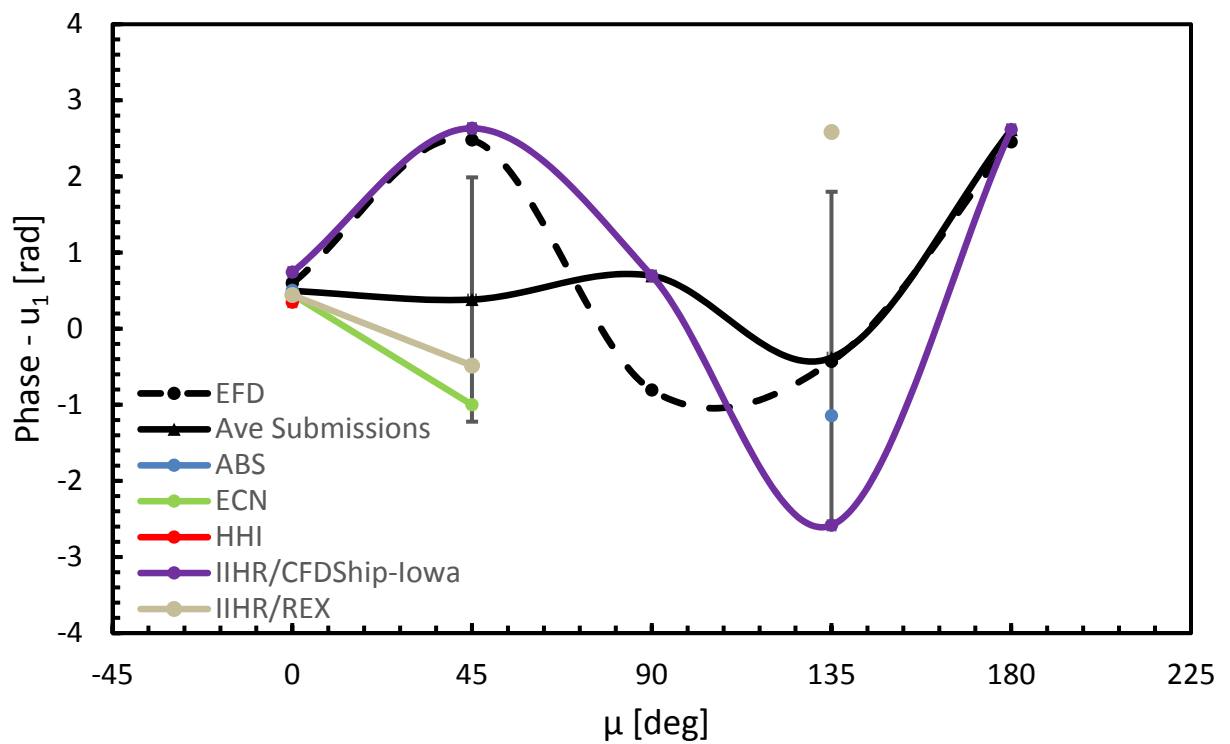


Figure 9. EFD and submissions for **1st harmonic phase of x-velocity** for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the average standard deviation of submission)

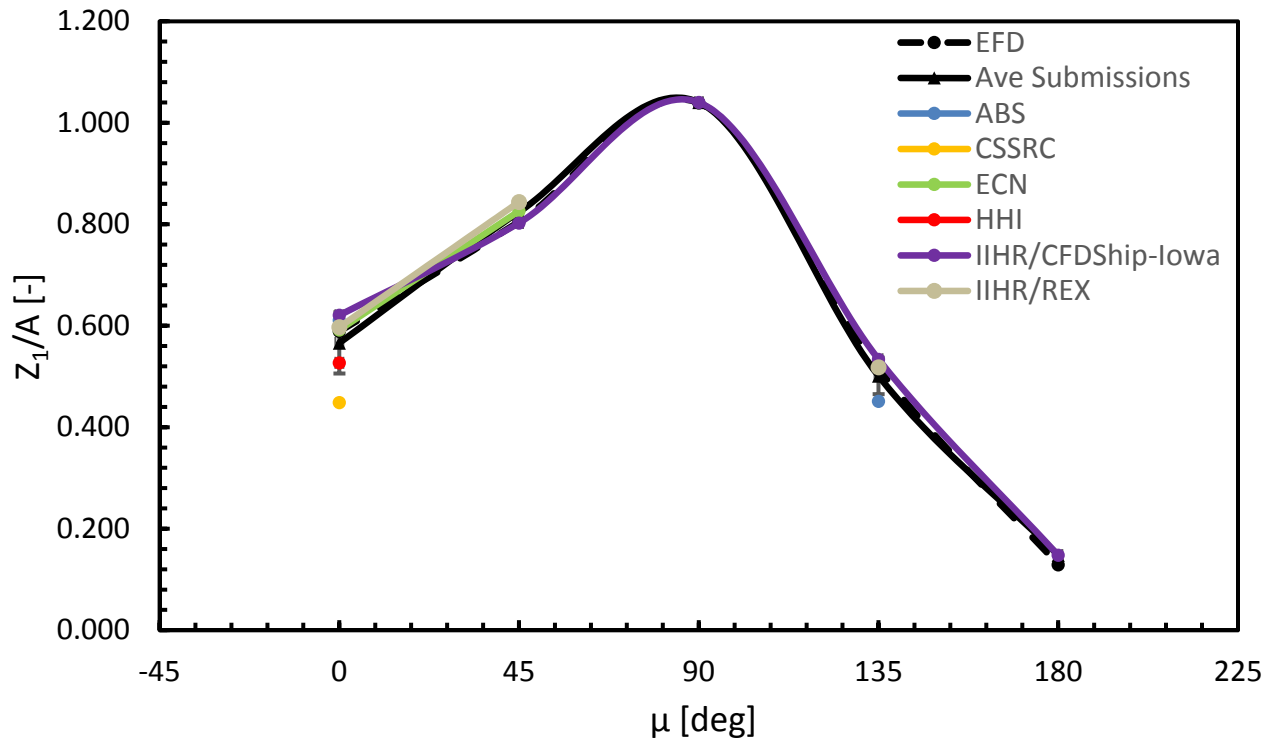


Figure 10. EFD and submissions for **1st harmonic amplitude of heave** for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the average standard deviation of submission)

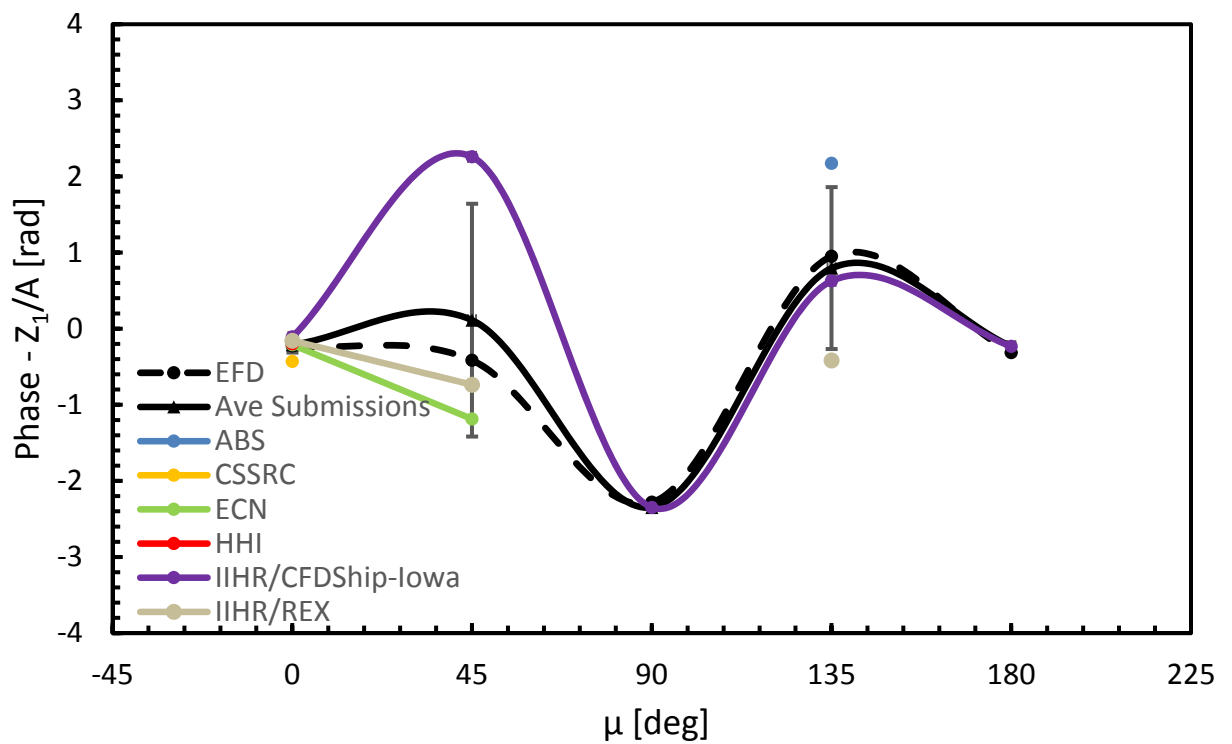


Figure 11. EFD and submissions for **1st harmonic phase of heave** for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the average standard deviation of submission)

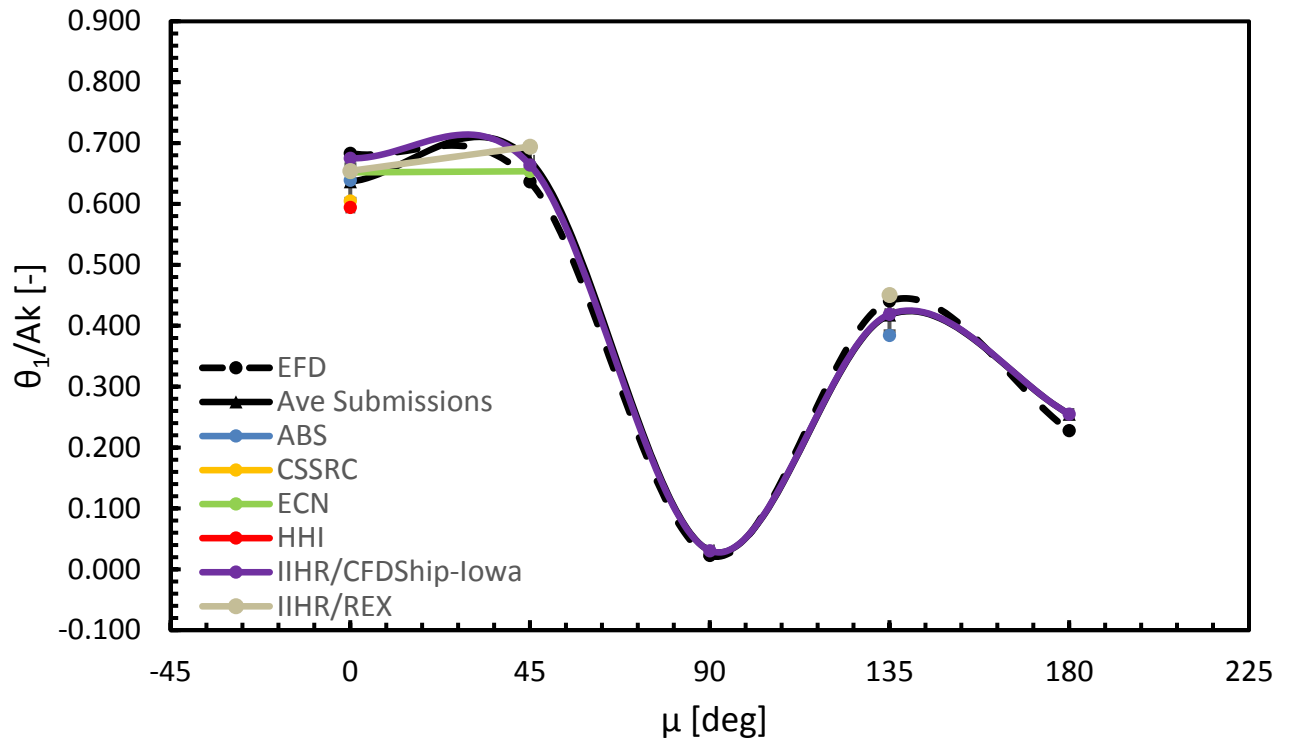


Figure 12. EFD and submissions for **1st harmonic amplitude of pitch** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

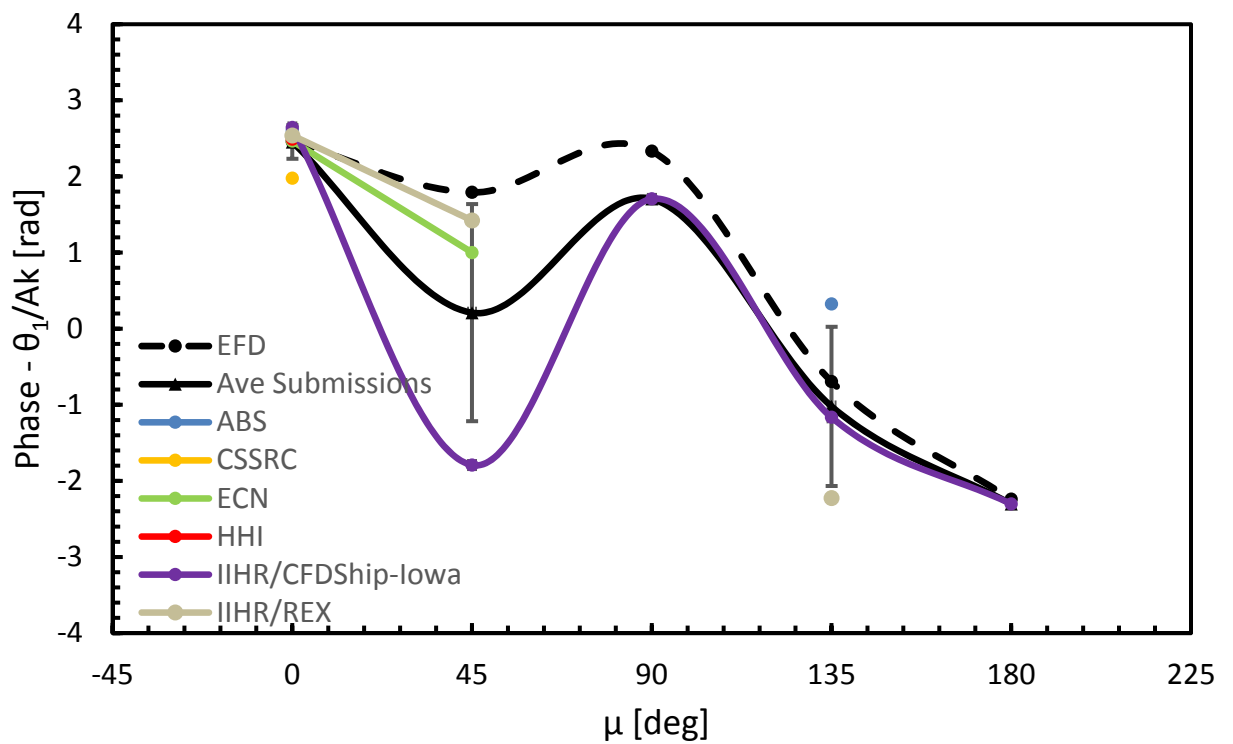


Figure 13. EFD and submissions for **1st harmonic phase of pitch** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

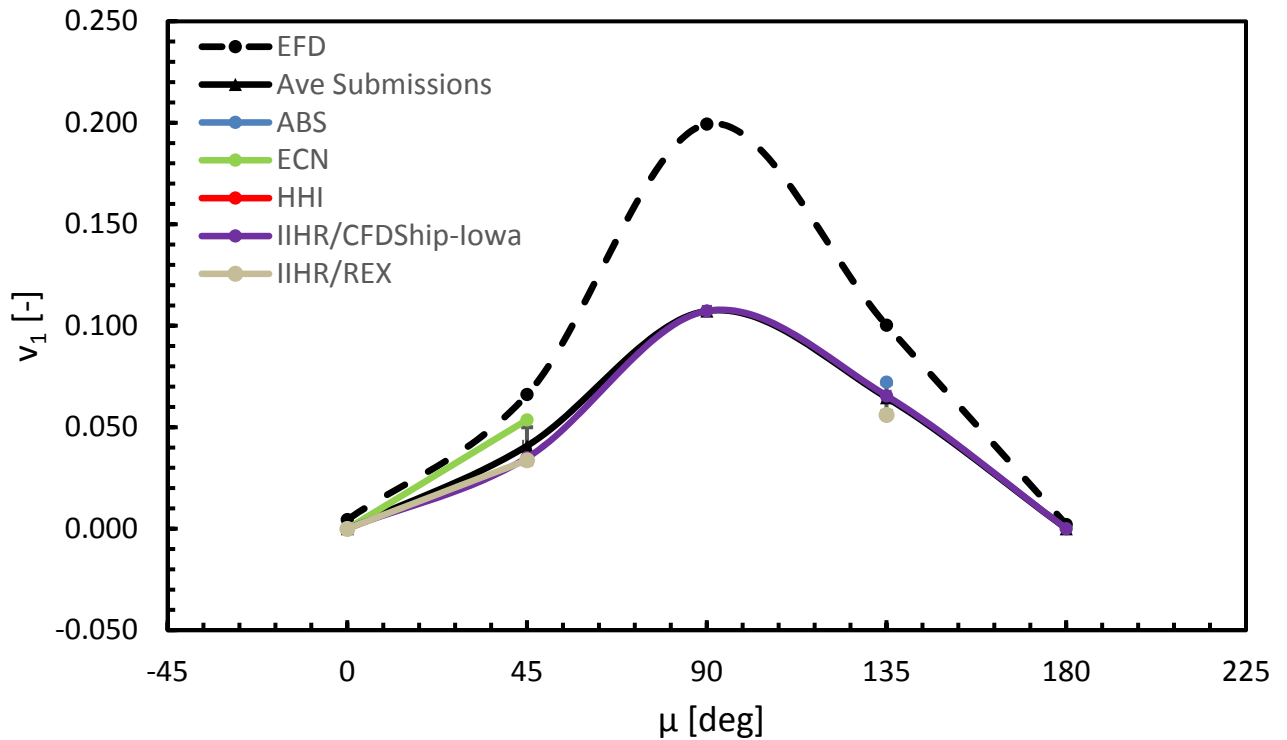


Figure 14. EFD and submissions for **1st harmonic amplitude of y-velocity** for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the average standard deviation of submission)

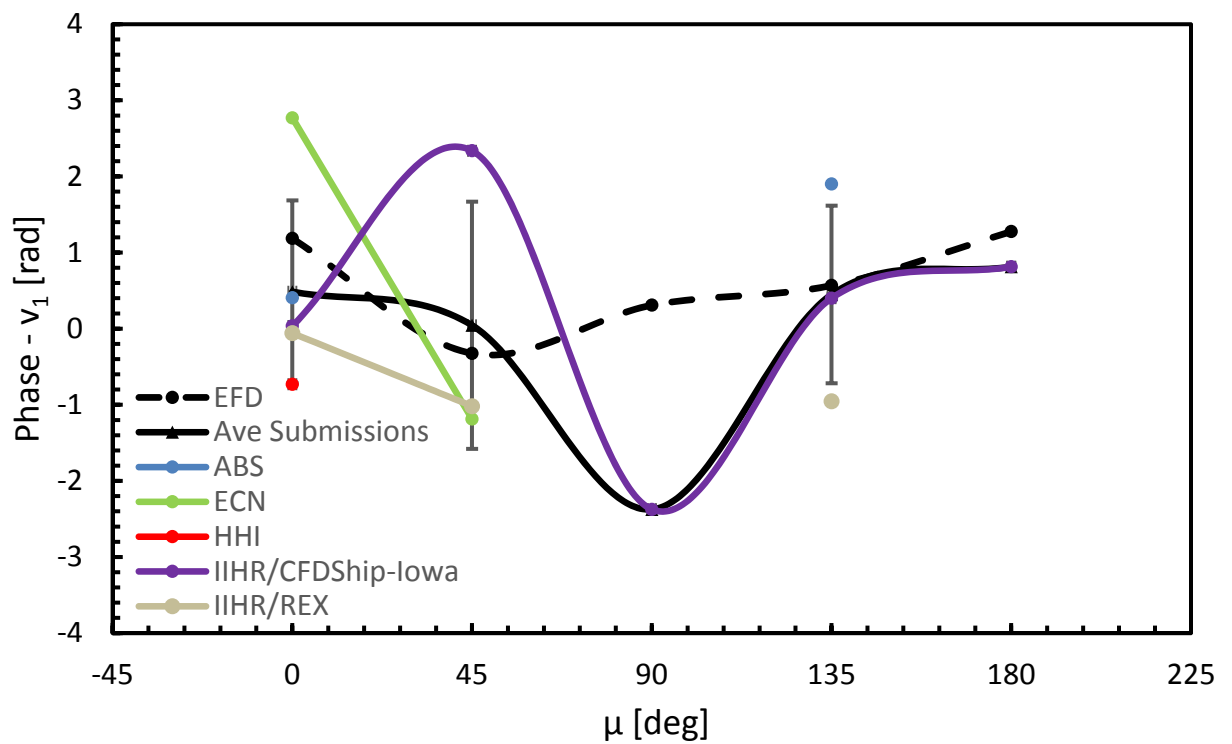


Figure 15. EFD and submissions for **1st harmonic phase of y-velocity** for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the average standard deviation of submission)

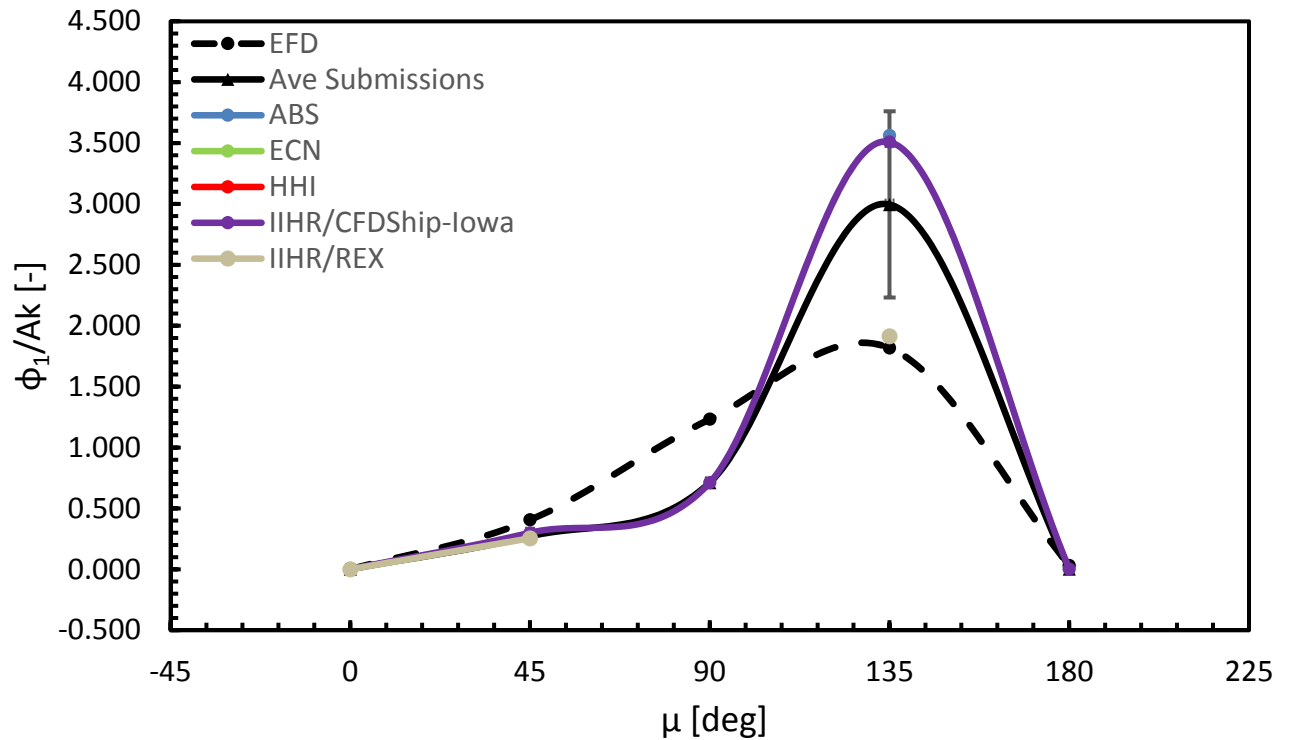


Figure 16. EFD and submissions for **1st harmonic amplitude of roll** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

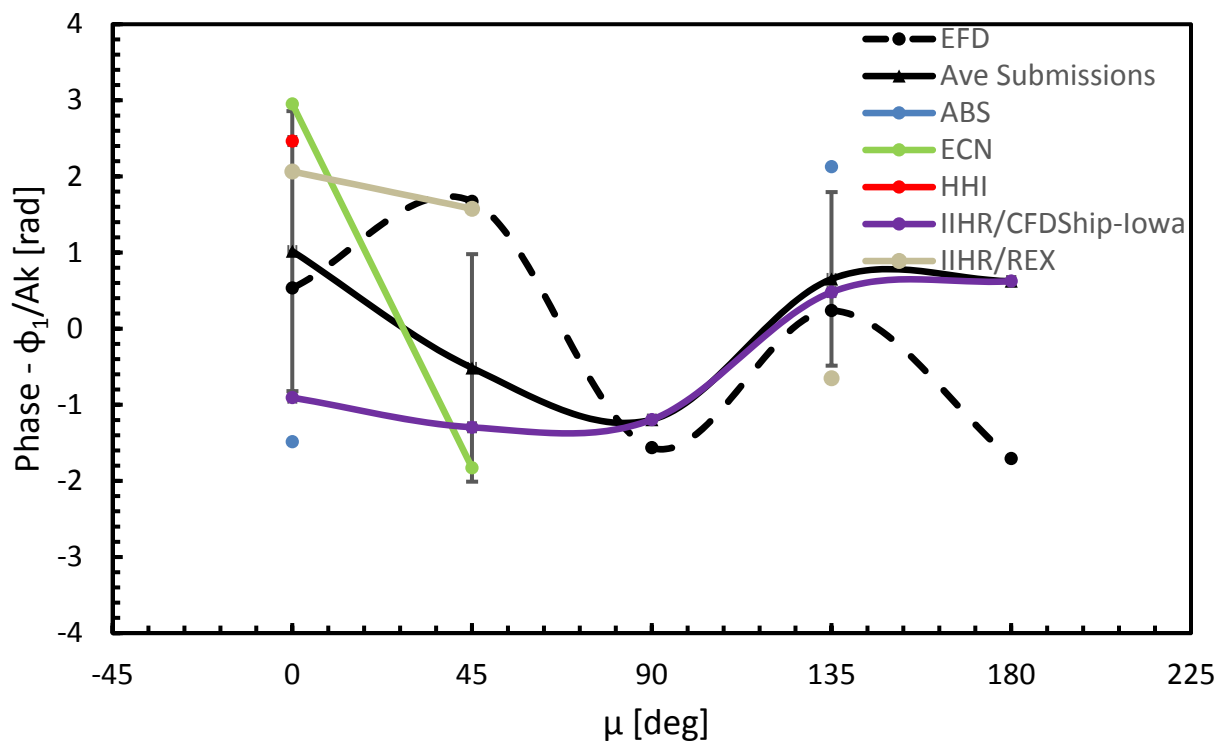


Figure 17. EFD and submissions for **1st harmonic phase of roll** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

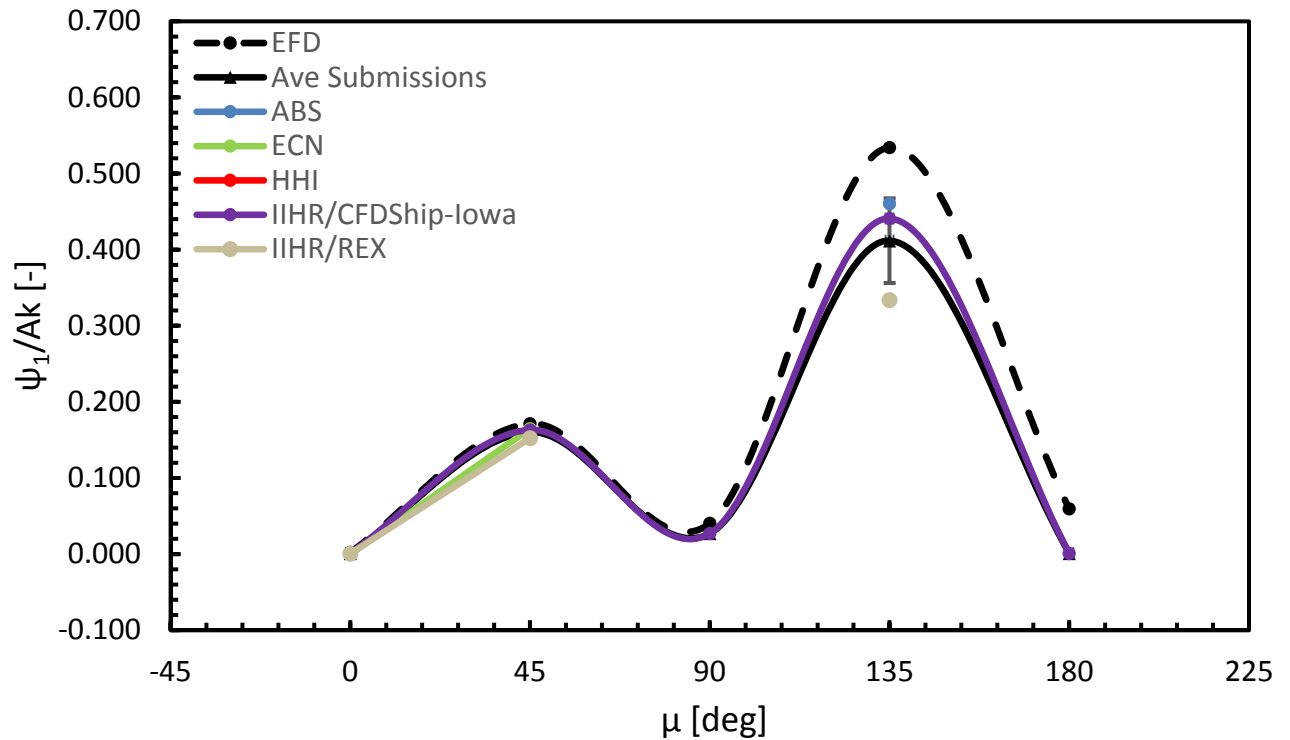


Figure 18. EFD and submissions for **1st harmonic amplitude of yaw** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

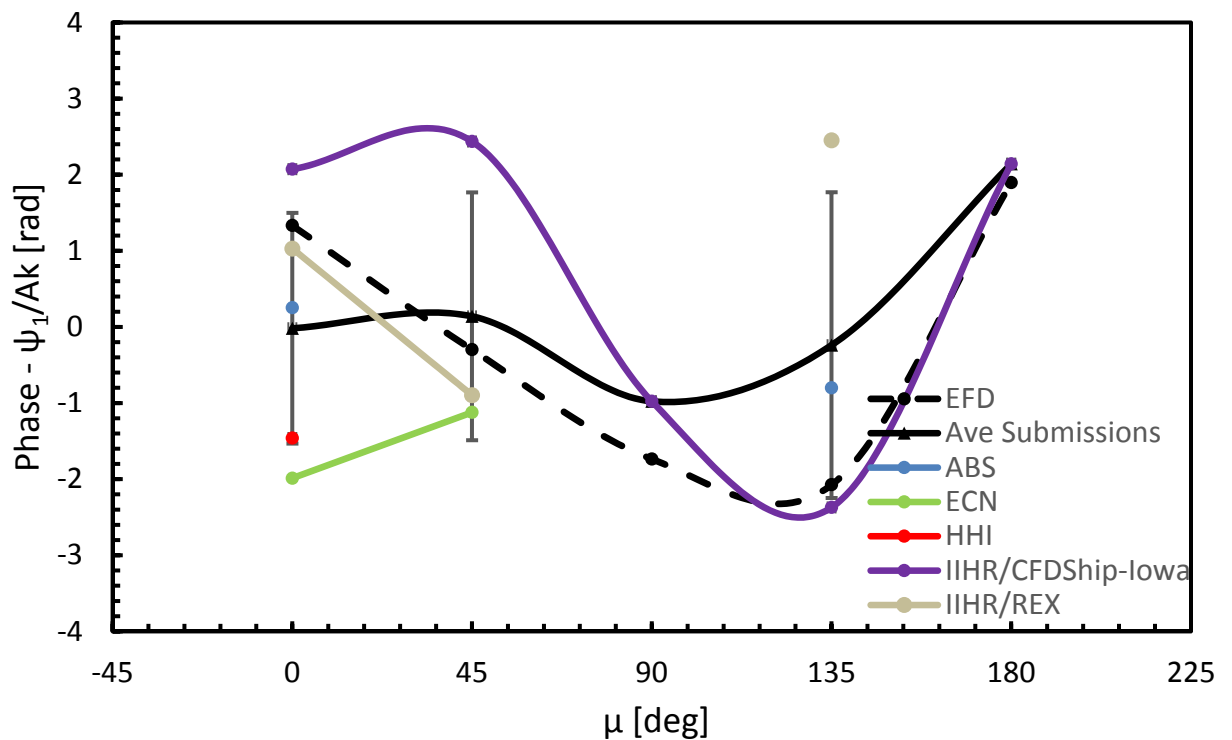


Figure 19. EFD and submissions for **1st harmonic phase of yaw** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

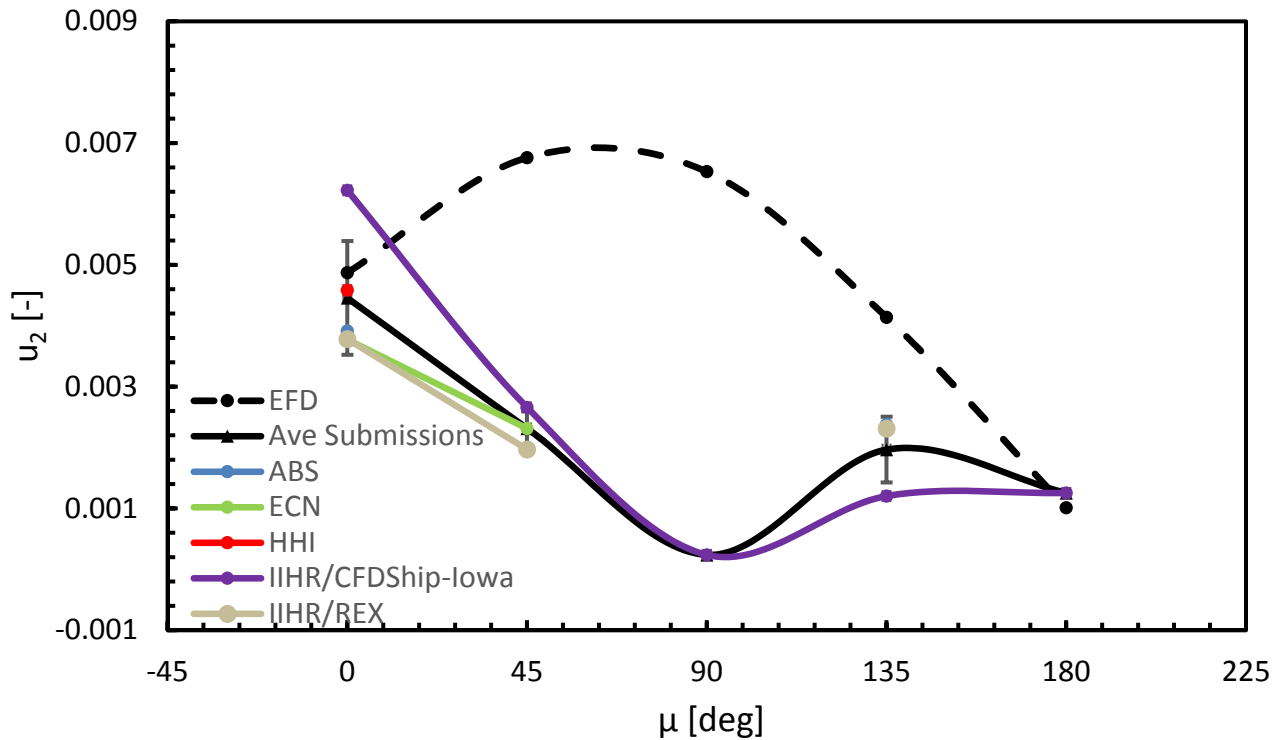


Figure 20. EFD and submissions for **2nd harmonic amplitude of x-velocity** for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the average standard deviation of submission)

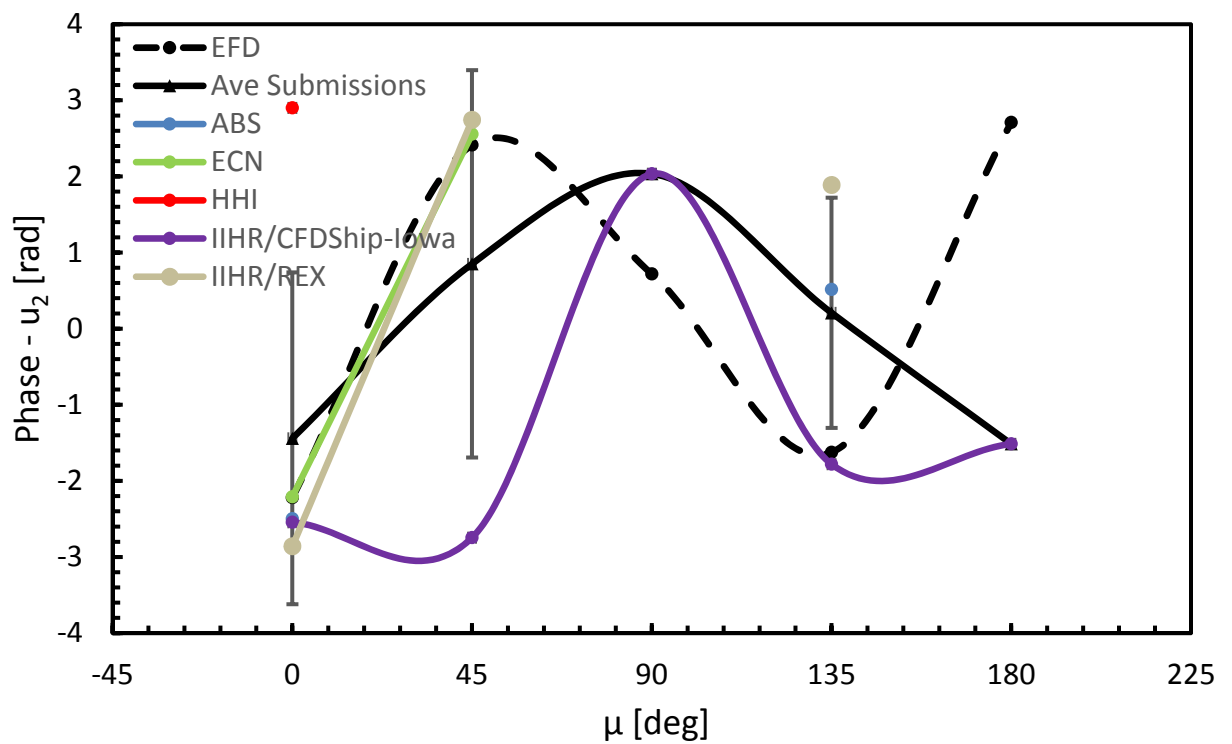


Figure 21. EFD and submissions for **2nd harmonic phase of x-velocity** for ONRT seakeeping in regular waves at $Fn=0.2$ (bars show the average standard deviation of submission)

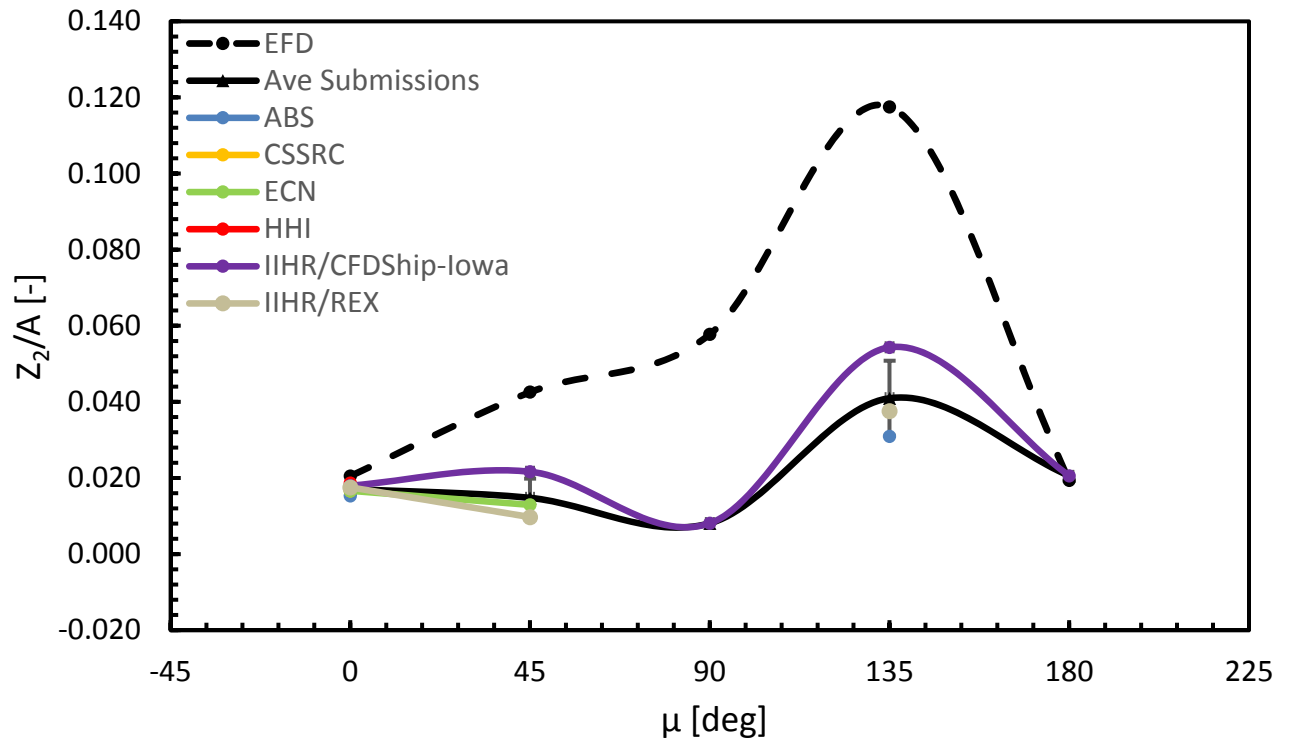


Figure 22. EFD and submissions for 2nd harmonic amplitude of heave for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

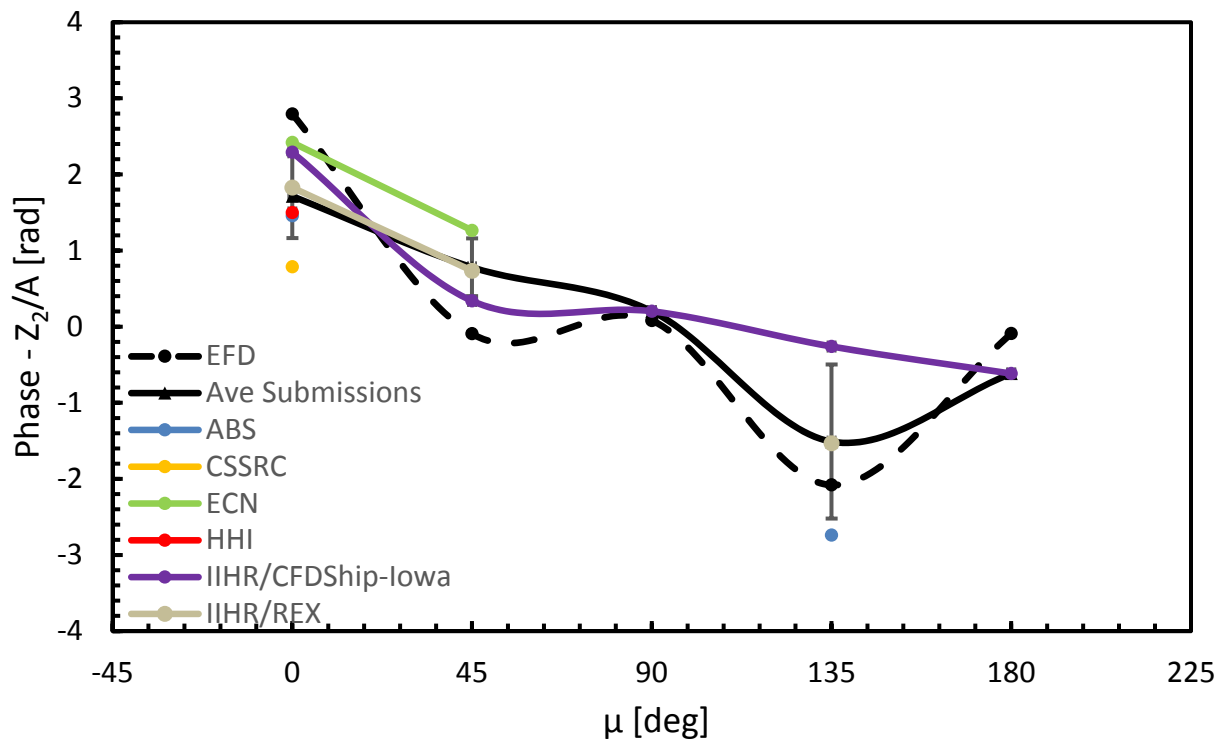


Figure 23. EFD and submissions for 2nd harmonic phase of heave for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

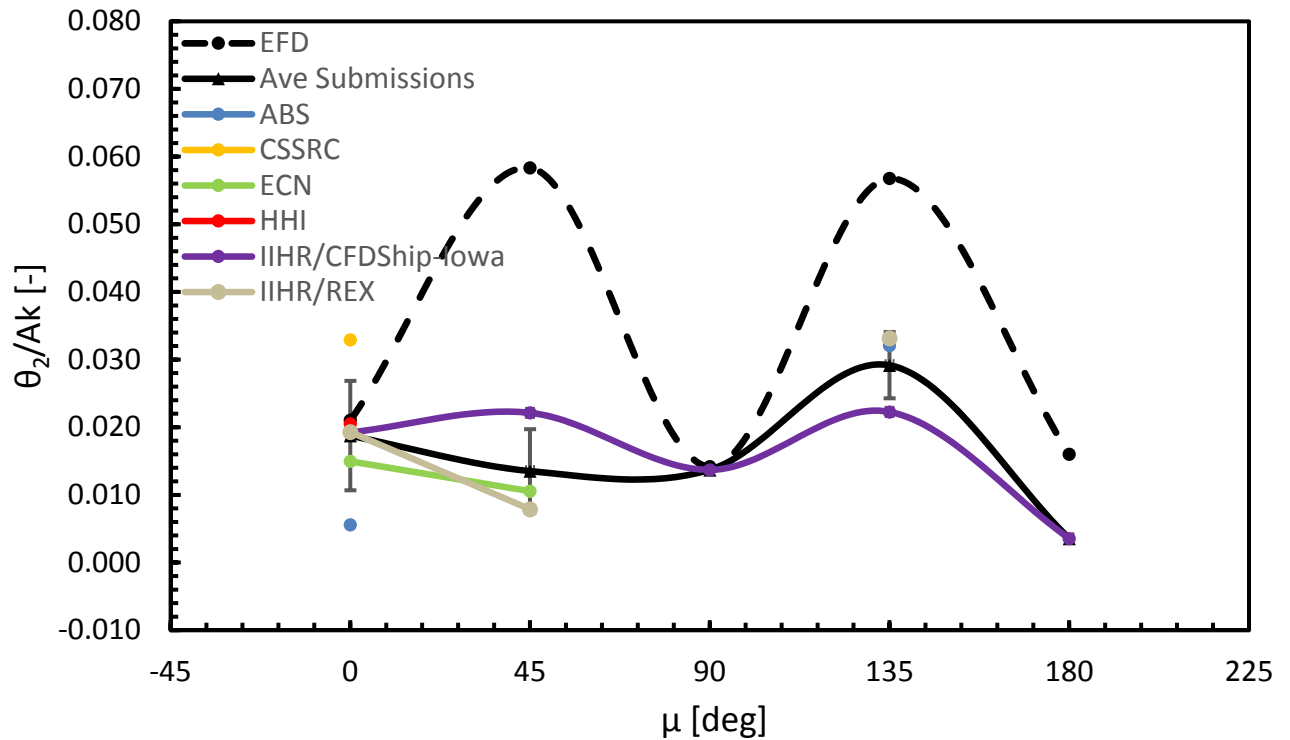


Figure 24. EFD and submissions for **2nd harmonic amplitude of pitch** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

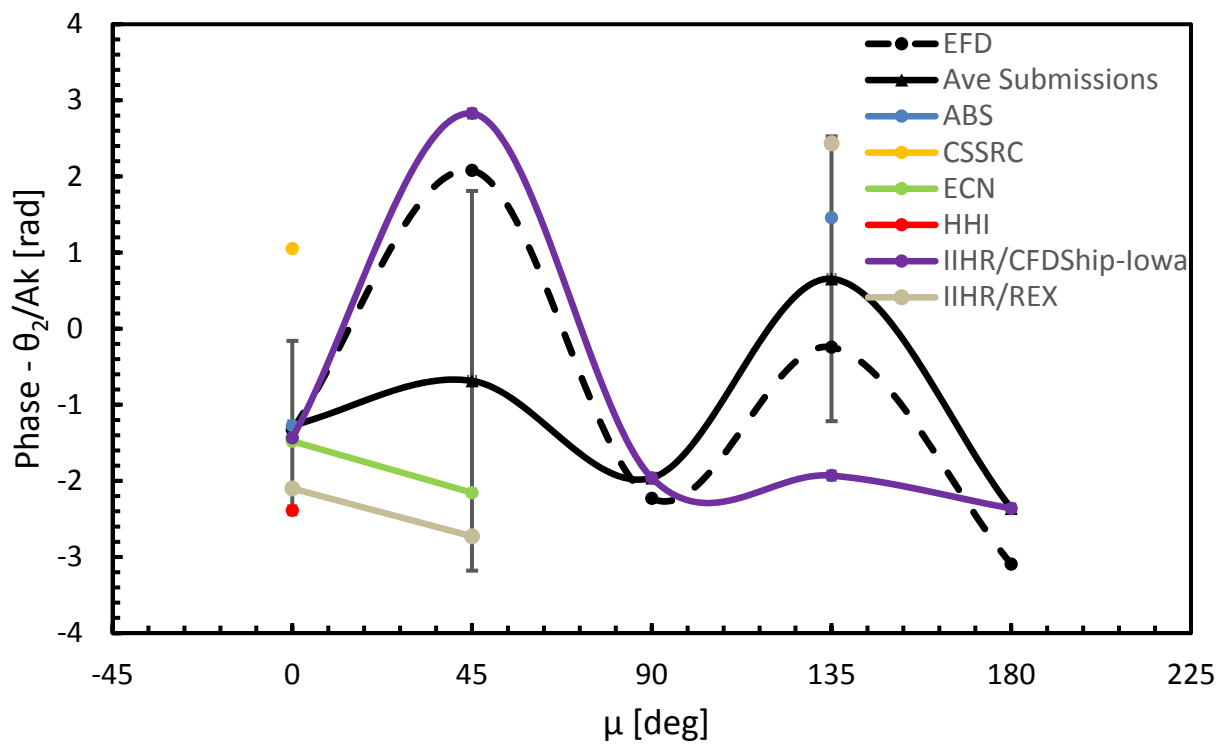


Figure 25. EFD and submissions for **2nd harmonic phase of pitch** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

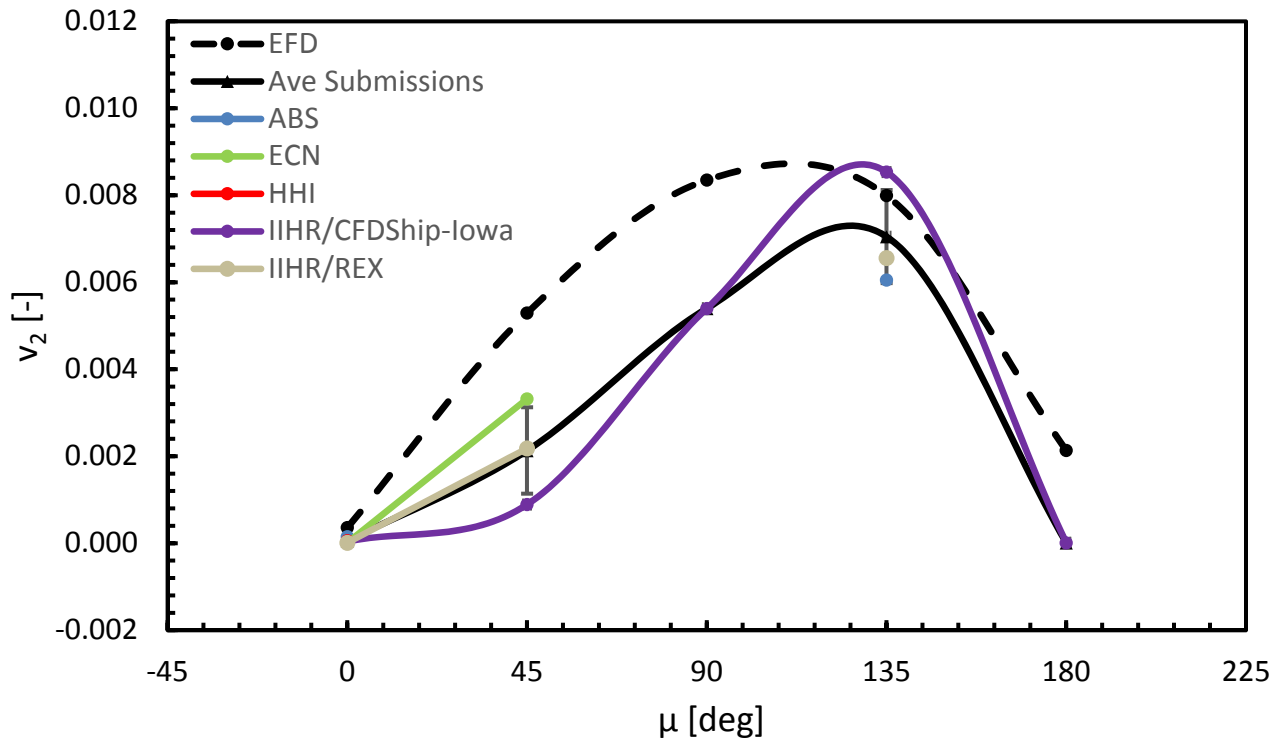


Figure 26. EFD and submissions for **2nd harmonic amplitude of y-velocity** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

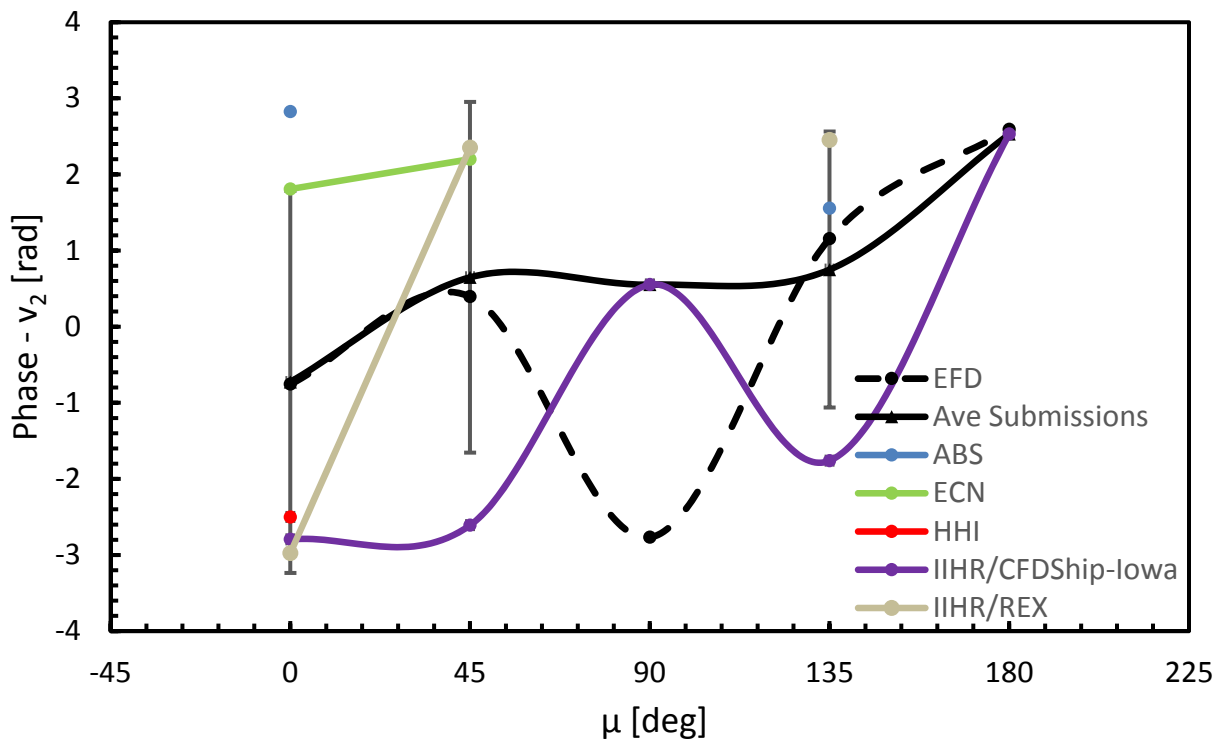


Figure 27. EFD and submissions for **2nd harmonic phase of y-velocity** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

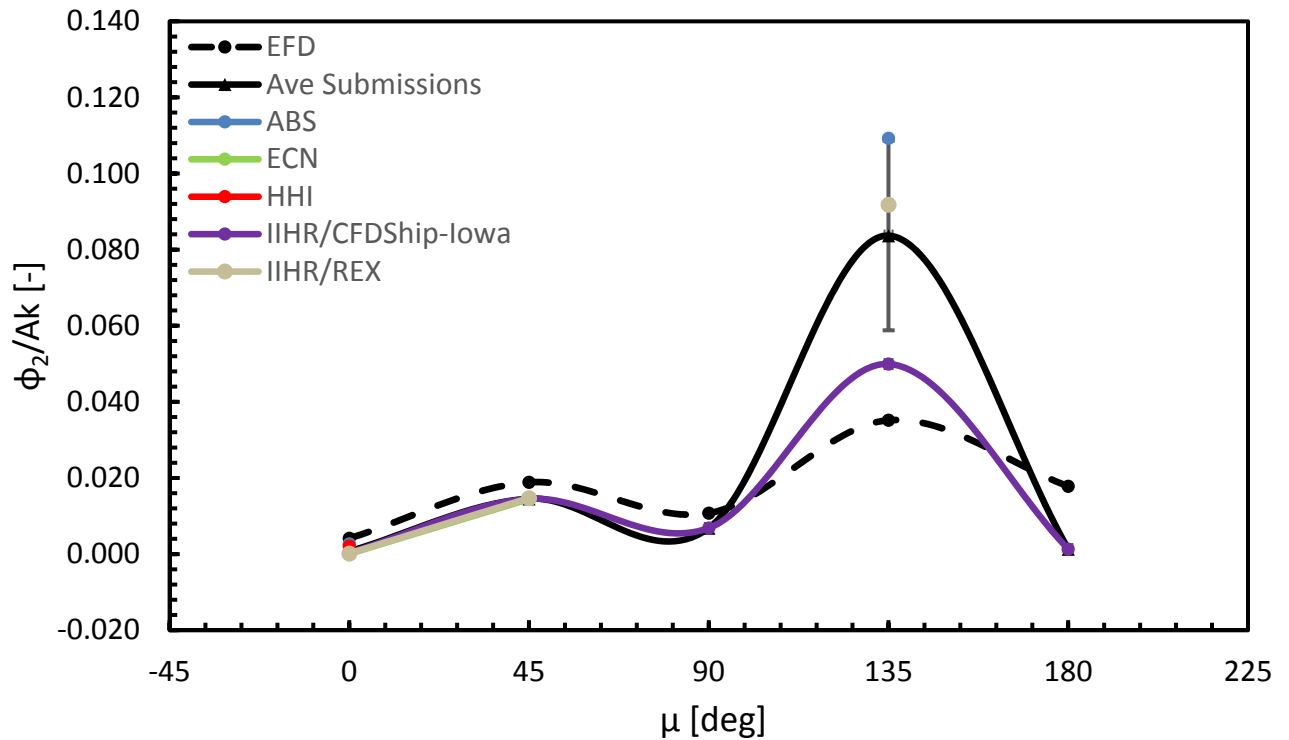


Figure 28. EFD and submissions for **2nd harmonic amplitude of roll** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

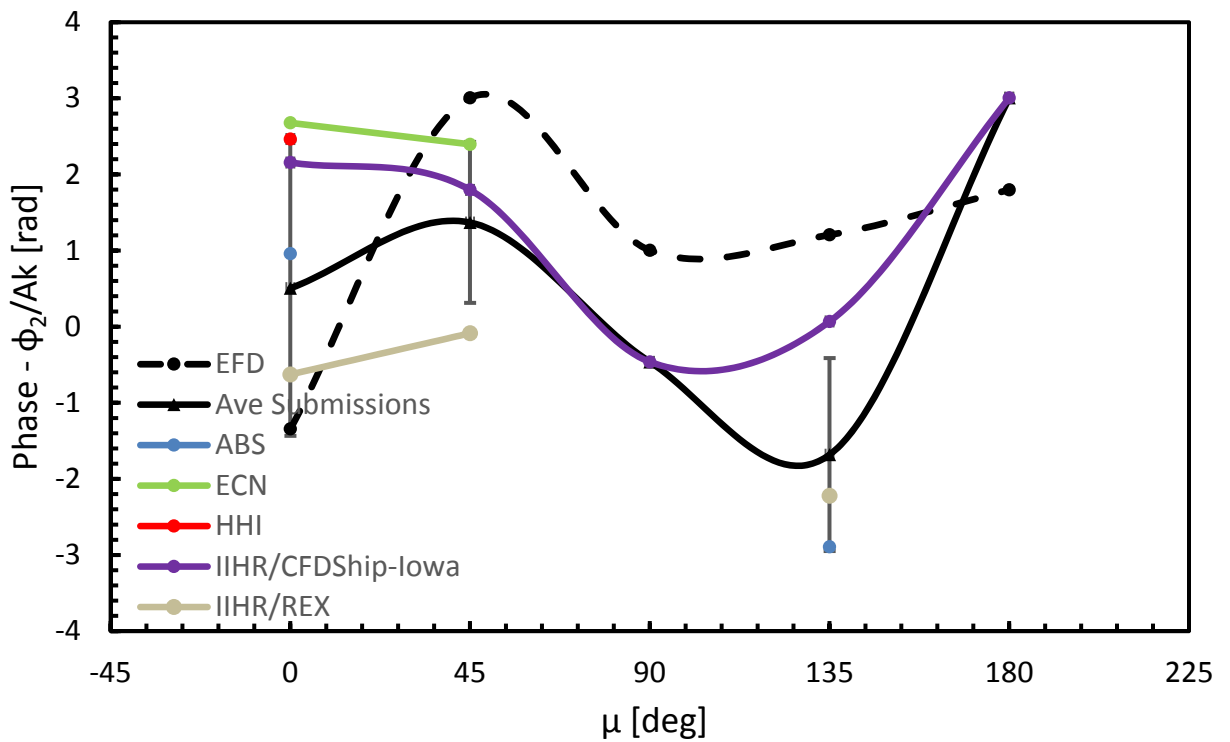


Figure 29. EFD and submissions for **2nd harmonic phase of roll** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

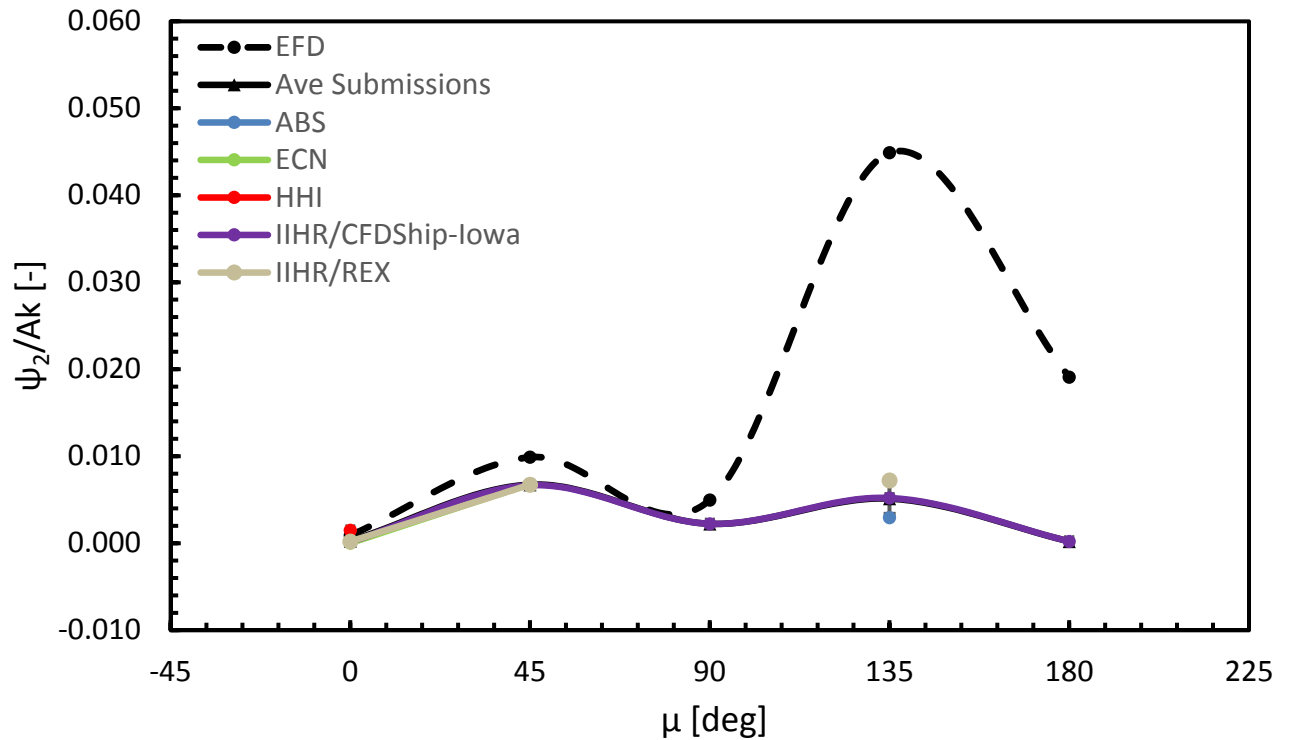


Figure 30. EFD and submissions for **2nd harmonic amplitude of yaw** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)

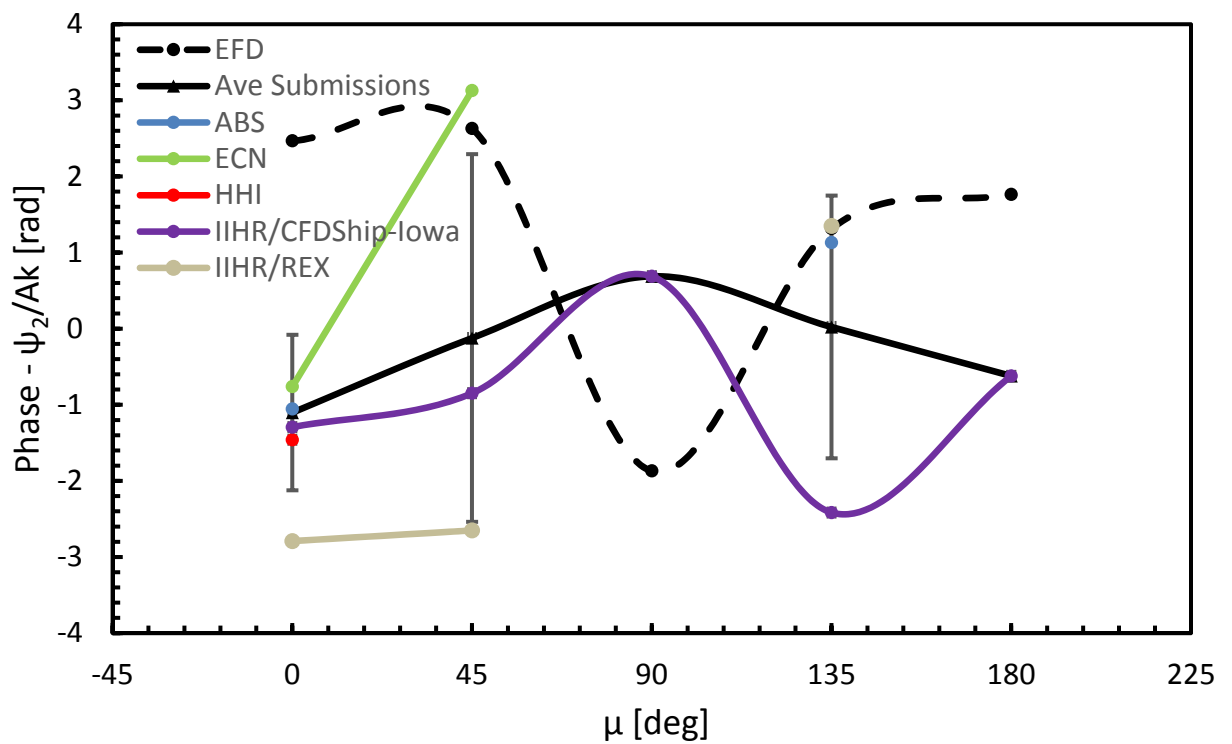


Figure 31. EFD and submissions for **2nd harmonic phase of yaw** for ONRT seakeeping in regular waves at $F_n=0.2$ (bars show the average standard deviation of submission)