

Takeaways from machine learning

- Generally the approach seems promising
- $>1^\circ$ error is too much, the goal should be to reduce the error to a fraction; at this stage modelling through static data only does not look feasible
- Adding more training data, particularly from rotating experiments with a larger angle range, should improve the modelling (given that the new data does not introduce new errors)
- Gaussian models perform best for this task
- Limiting the angles improved the model
- Limiting the angles too much might reduce the modelling accuracy for Gaussian processes
- Optimising internal model parameters might be explored to improve modelling accuracy, yet that requires a good understanding of Gaussian modelling. Too much optimisation might lead to overfitting.