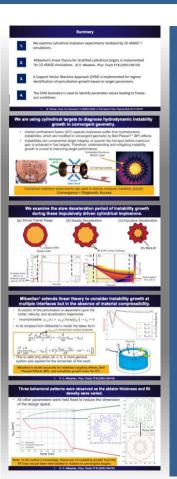
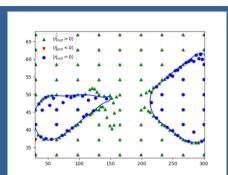
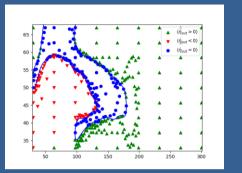
Constructing Explicit Decision Boundaries for the Optimization and Design of Cylindrical Implosion Experiments

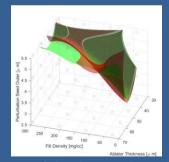


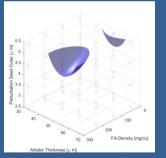






Above: SVM decision boundaries constructed for a 2D subspace of cylindrical target design parameters successfully isolate parameter combinations for which freeze-out is predicted to occur on the inner (left) or outer (right) surface of the Al marker layer.





Above: Extensions of the decision boundary to higher dimensional parameter space is expected to provide further insight into which parameters (or combinations thereof) have the most appreciable effect on the behavior of the RTI.



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