

# Short Paper

## A Short Subtitle

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### Abstract

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*Keywords:* projection pursuit, optimization

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### 1. Introduction

The contributions of this paper are two folds. First, we provide proofs to demonstrate certain optimisers are for certain projection pursuit index functions. Second, we compare the performance of a collection of optimisers on a set of index function with different features and provide recommendations for analysts in practical problems. Section 2 introduces the projection pursuit method, including the indexes function and optimisation. Section Section 3 presents the proof on [...]. Section Section 4 presents the experimental results. Section Section 5 concludes the paper.

### 2. Projection pursuit, index functions and optimisation

#### 3. [Theoretical results]

#### 4. [Simulation study]

#### 5. Conclusion

### References

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