

# **Lanczos Method with implicit restart**

**Fortgeschrittenen Praktikum SS22**

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July 27, 2022

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# **1 Introduction**

## 2 Algorithms

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**Algorithm 1** Lanczos Method with implicit Restart

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**Input:** Matrix, StartVector, etc.

**Output:** Eigenvalues, Eigenvectors

```
1: function LANCZOS_IR( $A, m, k$ )  
2:     ++i
```

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