

# Matroids in Lean: Status Update

Ivan Sergeev

ISTA

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## Progress Since Last Meeting

- ▶ 1 week preparation for presentation about magmas
- ▶ Refactoring throughout the whole project
- ▶ Working on “TUness is preserved under pivoting”

## Next Steps

- ▶ Focus on the matrix definition
- ▶ Pivoting preserves TUness
- ▶ Regularity of 2-sum
- ▶ Additional tools for TUness
- ▶ Regularity of 3-sum
- ▶ Improving API, bundling assumptions, more refactoring