

My Meta Group Results

Daniil Berezun

2021

Areas of Interest

- **Metacomputations** and applications

- Joint project with Semyon Grigorev

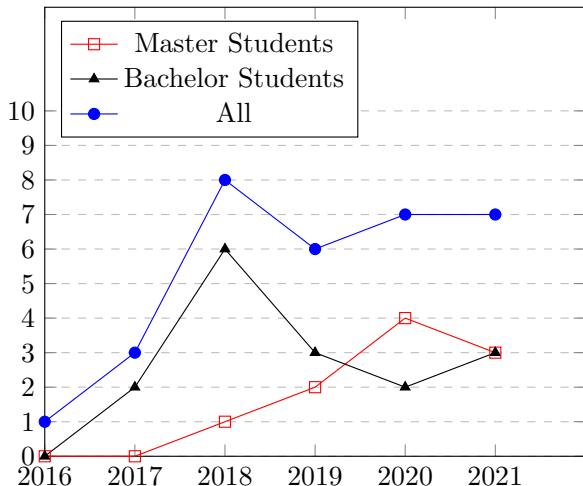
- String Algorithms

- Compilers, types, languages, ...



The Group

- Head: Berezun D.
- Bachelor students
 - Vinnik E.³ (4 year)
 - Loktev S., Kasimov B. (2 year)
- Master students
 - Trilis A.¹ (1 year)
 - Mishin N.² (2 year)
 - Turin A.^{2,3} (2 year)



¹Supported by scholarship

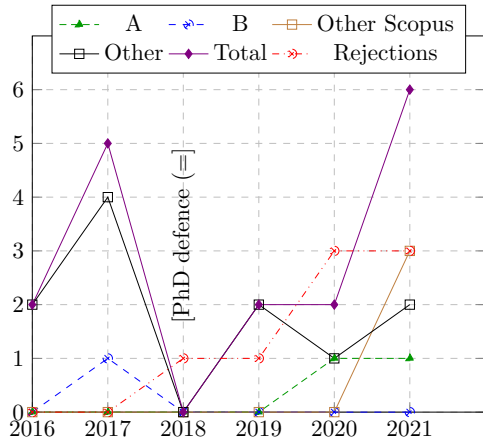
²Supported by grant

³**Joint supervising** with Semyon Grigoriev

Publications

Accepted and Published

- ✓ **ICPP'21**, *Efficient Parallel Algorithms for String Comparison*
N. Mishin, D. Berezun, A. Tiskin
- ✓ **VPT'21**, *An Empirical Study of Partial Deduction for miniKanren*
E. Verbitskaia, D. Berezun, D. Boulytchev
- ✓ **TFPIE'21**, *Reimplementing the Wheel: Teaching Compilers with a Small Self-Contained One*, D. Boulytchev, D. Berezun, [accepted; unpublished yet]
- ✓ **SEIM'21**, *Viterbi algorithm specialization using linear algebra*,
I. Tyulyandin, D. Berezun, S. Grigorev
- ✓ **SYRCoSE'21**, *Empirical Study of Partial Evaluation of Matrix and String Algorithms*,
I. Balashov, S. Grigorev, D. Berezun
- ✓ **ICFP'21 SRC poster**, *Distilled Sparse Linear Algebra*
A. Turin



Rejected

- ✗ **CPM'21**, *Efficient Semi-Local Algorithms*
- ✗ **SC'21, IA³'21**, *Distilled Sparse Linear Algebra in Hardware*

Other Activities

Teaching

> Spring

- Mathematical Logic (practices, 2 groups)
- Operating Systems (practices, 2 groups)

> Autumn

- Introduction into Metacomputations (lectures and practices)
- Discrete Mathematics (practices, 3 groups)
- Introduction into Compilers

Other

> Supervising and reviewing

(course works, graduation works, SEIM, ...)

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Questions? =)