

Numpy on PyPy

Maciej Fijałkowski

King's College London

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Goals

- fully compliant numpy replacement for PyPy
- fast looped operations
- fast vectorized operations

Why?

- fast looping
- single language

Model

- some programs have numerical kernels that can be written in C
- some don't
- <http://arxiv.org/abs/1301.1334>
- image manipulation demo
- abstraction unfriendly

Status

- fast looped operations
- ok vectorized operations

Future goals

- finish numpy
- make it fast
- make it compatible with more software
(matplotlib, scipy)

Funding

- about \$20k left
- we likely need more
- behind schedule, but not behind budget

- Thank you!