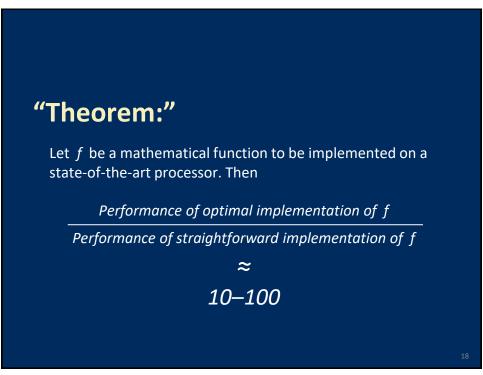
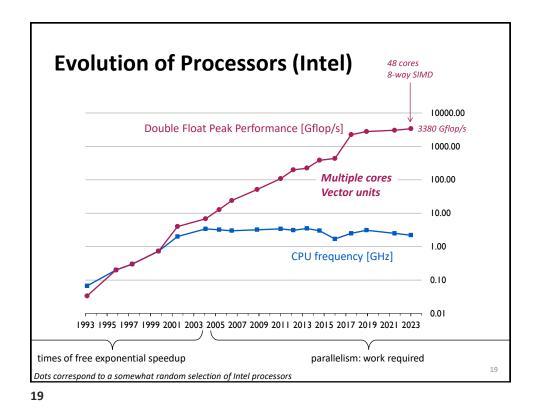
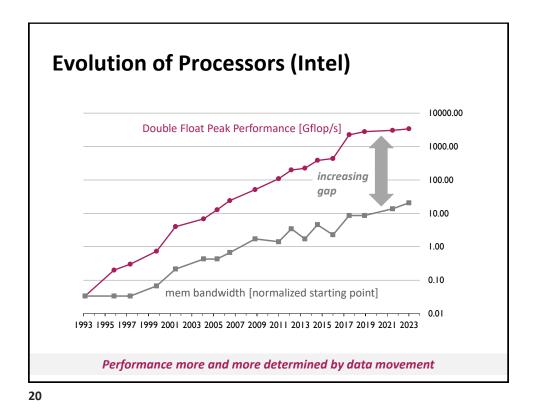
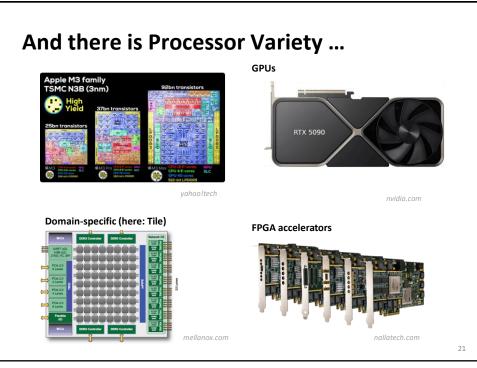


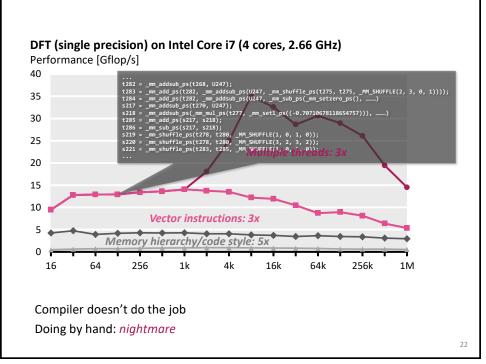
Model predictive control	Singular-value decomposition
Eigenvalues	Mean shift algorithm for segmentation
LU factorization	Stencil computations
Optimal binary search organization	Displacement based algorithms
Image color conversions	Motion estimation
Image geometry transformations	Multiresolution classifier
Enclosing ball of points	Kalman filter
Metropolis algorithm, Monte Carlo	Object detection
Seam carving	IIR filters
SURF feature detection	Arithmetic for large numbers
Submodular function optimization	Optimal binary search organization
Graph cuts, Edmond-Karps Algorithm	Software defined radio
Gaussian filter	Shortest path problem
Black Scholes option pricing	Feature set for biomedical imaging
Disparity map refinement	Biometrics identification 17

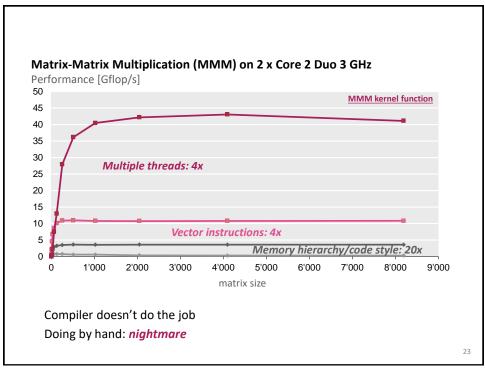


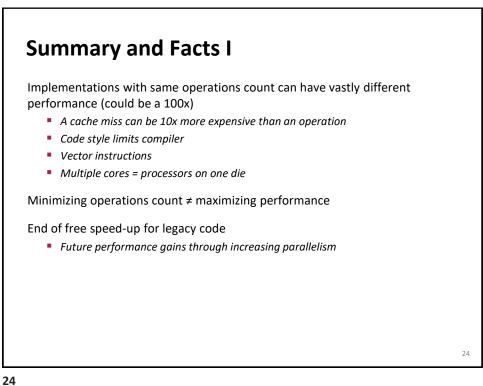


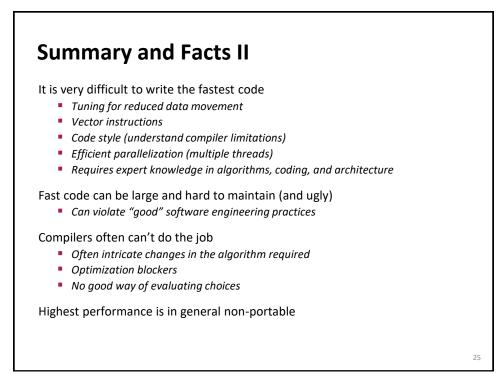


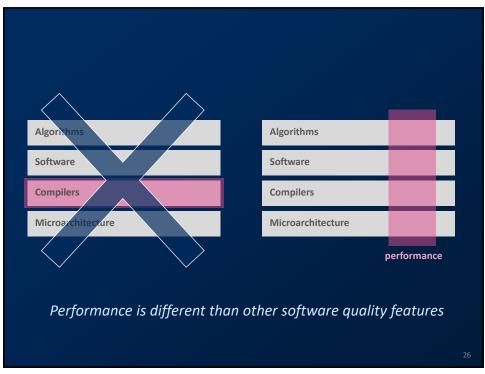






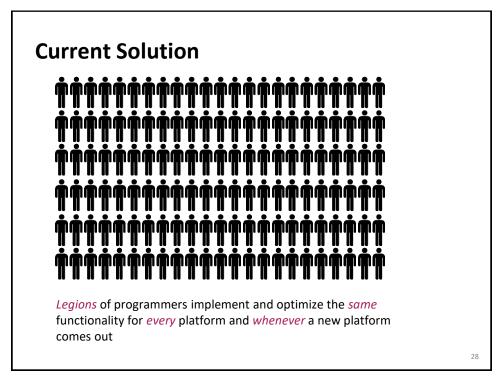




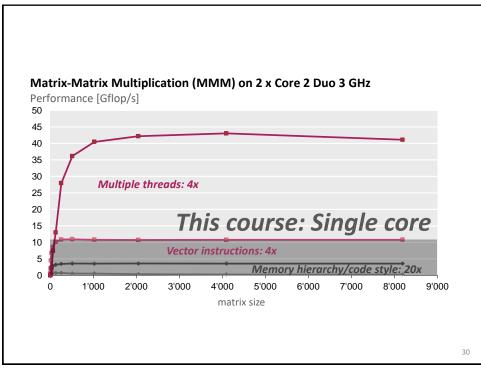


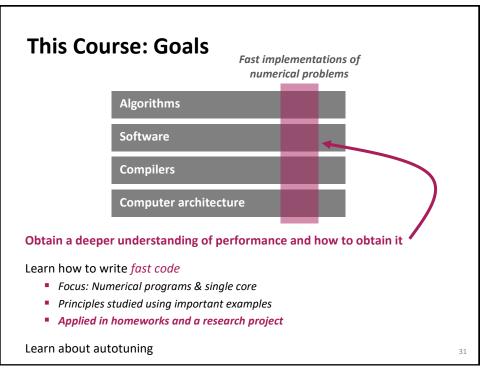


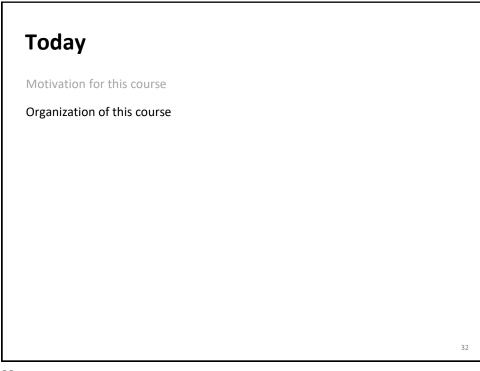


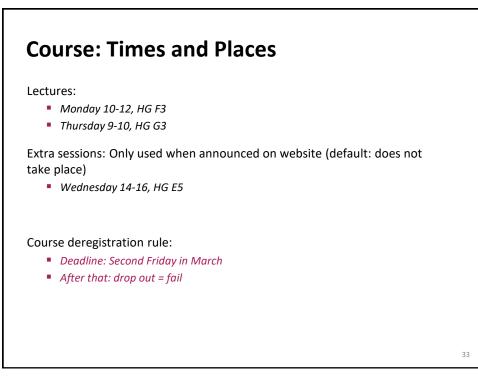


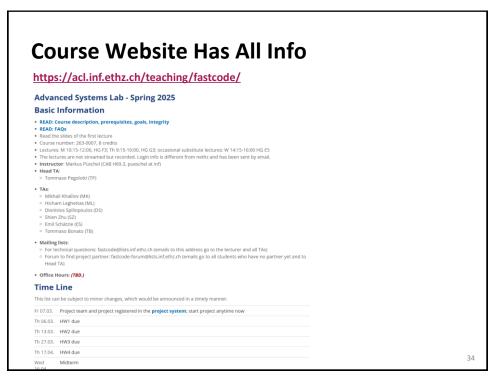












## **Team and Communication**

Head TA: Tommaso Pegolotti

## Other TAs:



Mikhail Khalilov (MK) Hicham Leghettas (ML) Dionisios Spiliopoulos (DS) Shien Zhu (SZ) Emil Schätzle (ES) Tommaso Bonato (TB)

## Course website has ALL information

Questions:

- Office hours (during period with homeworks): see website
- fastcode@lists.inf.ethz.ch: goes to TAs and lecturers

Finding project partner: fastcode-forum@lists.inf.ethz.ch

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