



ILNumerics

Why?

Maturity

- 3 major technology jumps since 2006
- Today:

The only solution which is able to catch up with established professional packages in terms of execution speed AND developer efficiency.

Common Use Case

- Transform existing Matlab algorithms
-> into a deployable application.
- Requires computing, visualization and data I/O
- Application lifecycle: 2..3 years, 3 updates
- Dev teams: engineers / mathematicians /
scientists

Advantages

Development:

1:1 translation due to very similar syntax to what is known to your engineers and mathematicians. Short, expressive algorithms; limited potential for bugs; much easier maintenance.

Advantages

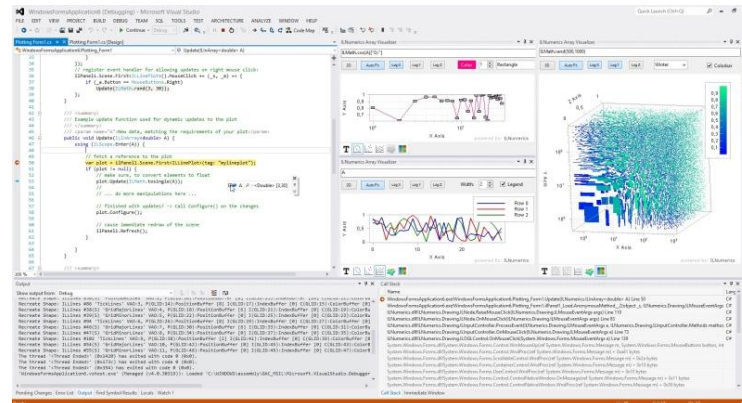
Excellent Speed:

No need of expert computer architecture knowledge (as for FORTRAN, C/C++). Automatic parallelization catches up with C++, will even overcome the speed of sequential FORTRAN in the future.

Advantages

Productivity:

Direct integration into Visual Studio. Full spectrum of professional software development tools: unit testing, continuous integration, team support. Easy packaging and deployment. Unique debug tools.



Advantages

Stability:

*Based purely on modern enterprise technology
ILNumerics profits from a strong static type system.
Most bugs are identified at compile time. Memory
leaks are gone once for all.*

Advantages

Compatibility:

It's all .NET! All you need to learn is your favorite .NET language and 3 simple rules how to apply ILNumerics.

+ HDF5 Interface + P/Invoke + .NET Framework +

Average Savings

- *30% ... 50% Development, Maintenance*
- *Example Yearly Saving, 1 Dev Op:*

Average Salary	1 Year	\$90.000
Avg. Savings ILNumerics	40%	
Real Savings over Year	15%	\$13.500
ILNumerics Licensing Cost		-\$2.800
Savings		\$10.700

Low Risks

- *Perpetual license*
- *1 Year Maintenance Subscription*
- *Optional renewals, 50% of full price*
- *1st. class support*
- Great connections into/out of ILNumerics
- *It's all plain .NET!*

Join the ILNumerics Community!



<http://ilnumerics.net>