

Antony Jameson @80: What Can We Learn ?

Rainald Löhner

Center for Computational Fluid Dynamics
College of Science, George Mason University

cfd.gmu.edu/~rlohner

Outline

- Acknowledgements
- Achievements
- ‘The Jameson Way’
- Corrolaries
- Regrets...

Acknowledgements

- Have Known From Publications Since 1981
- Have Known Personally Since 1984 (Stuttgart, Fenomech)
- Have Enjoyed Many Snow/Ski-Days in Squaw/Reno
- Have Always Admired Him

You May Know This One...



Non-Exhaustive List of Achievements

- FLO-Series of Codes
 - Same Coding Style: 'Jameson Style'
 - Copied Many Times Around the World
- First Fast (MG) FV Code for Potential/Full Potential Eqns
- First Fast (MG) Code for Euler Eqns.
- First Euler Solution for Complete Aircraft
- First Fast (MG) Code for RANS
- First Airfoil/Wing/Wing-Body Design Code Using Adjoint
 - Full Potential
 - Euler
 - RANS
- Theoretical Work: Theorems, CUSP Schemes, ...

The Jameson Way

The Jameson Way (1)

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- `Free' or 'Open Source' Libraries / Matlab:
 - Quick Implementation Possible (Temptation is High...)
 - Understanding [Core Competency (!)] Suffers
 - Changes Difficult or Impossible

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- Work Process: Analysis, Detailed Design, Prelim. Design

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- De Facto: Makes You the Institutional Memory of Your Team

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- Keeps You Focused on What Truly Matters

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 - Improve Constantly
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- Biggest Breakthroughs Ahead (!)

The Jameson Way: Summary

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- Want to Contribute Lastingly to CFD: Keep Doing Research
- Want to Contribute Lastingly to CFD: Keep Running Problems
- First We Solve Fast, Then We Solve Well
- We Write Clearly [Both Codes and Papers]

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- Still Better Than:
- 2000s/2010s: Granting PhDs for Downloading and Linking Libraries

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- You Have to Loose Yourself to Gain a Life Worth Living

Many Happy Returns !