#### Living my American Dream

- A Retrospective on an un-American Life -

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#### MY RESEARCH, EDUCATION, AND LIFE

- 1950-1961 Working & Finishing school
- 1961-2007 Research and Teaching 90% at Harvard
- 2001-date Research and Teaching at Tsinghua
- 2007-date Blogger on Science Net

#### The Last 68 Years

- Lived in the US since 1950 at age 16
- Had one job since finishing school from 1961 to retirement at 2007
- Married one woman in 1959 and still married to her
- Bought and lived in one house in which I still live
- All 3 children went to the same kindergarten through university
- One attorney, one CPA, and one insurance agent
- Boring and un-American
- But I lived the American dream!

## Some "First or XXXest" in my Life

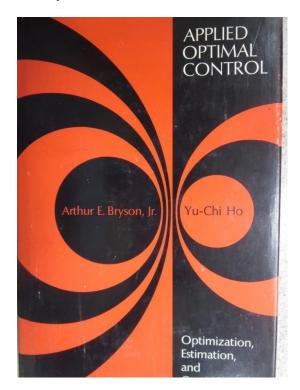
- Applied to MIT on my own (age 15) from HK in 1949 <a href="http://blog.sciencenet.cn/blog-1565-874045.html">http://blog.sciencenet.cn/blog-1565-874045.html</a>
- My "first day" in the US <u>http://blog.sciencenet.cn/blog-1565-869753.html</u>
- Simplest explanation of Kalman Filter <u>http://blog.sciencenet.cn/blog-1565-851754.html</u>

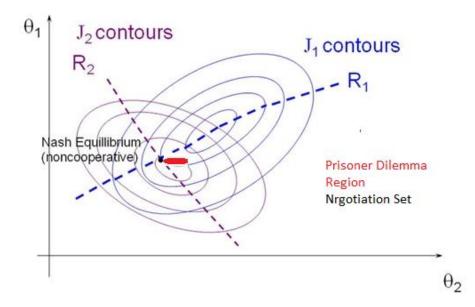
## "First or XXXest" (continued)

- Easiest demonstration of Ordinal Optimization http://people.seas.harvard.edu/~ho/
- First paper that stood the test of time (56+ years) – Kalman, Ho, Narendra (1960)
- Most IFAC Plenary talks (1981 Kyoto, 1990 Talin, 1999 Beijing)

#### Four Decades of Research

- Applied Optimal Control
   Game-theoretic Work (10,000+ citation classic)

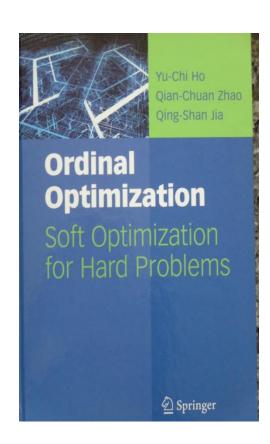




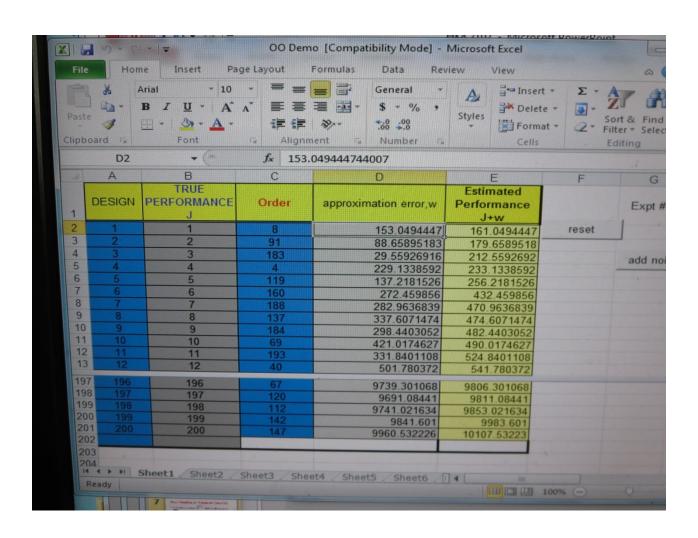
#### Four Decades of Research (contd)

 Perturbation Analysis of
 Ordinal Optimization **DEDS** 





## Four Decades of Research (contd)



### In Summary

- 1961-1970 Optimal Control
- 1971-1980 Games and Multiplayer Control
- 1980-1991 Perturbation analysis and DEDS
- 1991-2009 Ordinal optimization
- 2007-Date Blogging on Science Net

# Many thanks for a Wonderful Ride

## Getting there is all the fun!