Distributed Thinking a.k.a. Human Computation

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SHDH 20

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Some slides and much of the content courtesy David P. Anderson. Used with permission. His email: davea@ssl.berkeley.edu (recent talk titled "Citizen Cyber-Science.")

SETI@Home or Folding@Home but with people cycles.

David P. Anderson - Distributed Thinking

- SETI@Home → BOINC (and its various subprojects),
 - (BOINC is an infrastructure for volunteer computing)
- ullet Stardust@home o Bolt & Bossa
 - Bolt online training & education
 - Bossa Distributed Thinking
 - email David if you want to help / participate

University of Washington - Baker Lab

Rosetta@Play - protein folding game

Luis von Anh - Human Computation

- The ESP Game, Peek-A-Boom, and Phetch Social tagging
- reCAPTCHA stop spam and digitize books.
- great Google Tech Talk ("Human Computation")

Stardust@home

- The Stardust mission
 - 1999-2006
 - collect cometary, interstellar dust
- Where's the dust?
 - aerogel collector
 - 100K "focus movies"
- Stardust@home
 - http://stardustathome.ssl.berkelev.edu
 - 23.000 volunteers
 - 43M viewings
 - 14 verified tracks, 50 candidates found





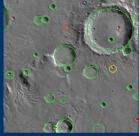
Rosetta@play: a protein-folding game



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What else is it good for?

- Visual pattern recognition
 - Stardust@home, Clickworkers
 - Africa satellite photos: UNOSAT
 - text/handwriting recognition
 - image tagging (ESP Game, Peek-a-Boom)
- Real-world knowledge
 - http://openmind.org
- 3D spatial manipulation
 - Rosetta@play
- Language
 - Distributed proofreading: http://pgdp.net



Napoleon@Home - Distributed world domination.

Napoleon@Home

Evangelism

- no more useless games (solitaire, minesweeper, sodoku, etc)
- productive procrastination
 - sometimes people like to think and be challenged
 - sometimes they just like to pass the time
- When wasting time, we're better off doing something useful
 - (at least useful for someone else)

Tell you friends and coworkers!

This Presentation and links at:

http://nomeans.net/napoleon

Thank you.