Project Update

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Project Update

Mesh Generation???
Adaptivity?

Convergence history 32000 dof

- 2250 parameters
- 2165 parameters
- 85 parameters
- 2250 parameters

QOI [W/m/K]

iteration (168hrs 36 cpu)
Adaptivity?
Adaptivity?
Real Time Adaptness

- Isotropic refinement

- Anisotropic refinement from Goals Method?

- Store Skeleton of Mesh needed for refinement on each MPI Task
  - Coding Complexity
  - > 1000000 dof still feasible (more than enough needed)

- Broadcast error estimates to all computational groups to drive adaptivity
Priority List

- CPU Control of Laser Source
- Damage
- Adaptivity
- In Vivo
- Paper Due Sept. 15th 2007
- Prepare for Ranger
  - Data Transfer (Kwon)
Upcoming Talks

- Cell Viability (Koshnevis)

- Tumor Growth Modeling (Hawkins)