

# Report from inspiral upper limit working group

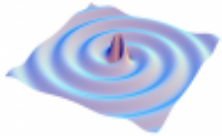
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LIGO-G010355-00-Z

LSC Meeting, 13/08/2001



## Progress during the past six months

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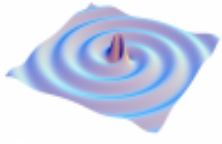
- Template placement code in LAL:
  - Software components: 90% complete
  - Tested during Inspiral MDC, bugs found and fixed.
- Templated inspiral code:
  - Software components: 70% complete
  - Tested during Inspiral MDC
  - Identified differences in "expected" normalizations
- FCT search code:
  - Software components: 60% complete
  - Tested during the Inspiral MDC
  - Successfully run in LDAS



## Progress during the past six months (cont'd)

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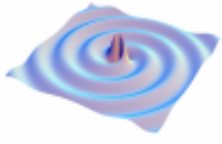
- Instrument characterization: Started
  - Using DMT monitors to look for some correlations
  - Correlations with chirps in PEM channels
  - Data flow under consideration
- Multiple interferometer pipeline:
  - Software components: 50% complete
  - Data flow model: under discussion
- Database tools:
  - Software components: 80% complete
  - MDC complete, tested during Inspiral MDC
  - Cluster/coincidence analysis – under discussion



## Progress during the past six months (cont'd)

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- Simulation tools:
  - Software components: 80% complete
  - Partial validation during Inspiral MDC
  - Integration into LDAS – scheduled for November
- Statistics:
  - Draft paper "to focus mind"
  - BNS paper and BBH paper



## Issues from today

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- Incorporation of GEO into analysis
  - Applying instrument characterization
  - Response functions (frames or database)
- New work schedule with emphasis on using data
  - Challenge at end of (Sep)
  - Real data: small number of templates (Sep/Oct)
  - Real data: instrument characterization (Sep/Oct)