Lighting Condition Estimation Using Image Database Based on Long-time Object Observation in Virtual Reality

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- **Lighting condition estimation**
  Long-time object observation is required to get the image database for lighting conditions.

- **Problem**
  The cost of this observation is high in real environments.

- **Proposal**
  A robot gets the image database for lighting conditions in virtual environments.

  1. Object observation
  2. Appearance model estimation
  3. Object recognition