

**NAME**

compamb - compute good ambient value for a rad input file

**SYNOPSIS**

**compamb** [ **-c** ][ **-e** ] **rad\_input\_file**

**DESCRIPTION**

*Compamb* computes a good ambient value for the specified *rad(1)* variable file and appends it to the file as a "render= -av" option. If the *-c* option is specified, then *compamb* includes color information in the computed ambient value, rather than estimating a grey value to avoid rendering color shifts. If the *-e* option is specified, then *compamb* also computes a good exposure value for this scene, and appends it to the *rad* file as well.

*Compamb* is a shell script that makes calls to other RADIANCE programs and utilities to do the actual work. A substantial amount of time may be required to complete this script, since *compamb* calls *rpict(1)* to render low resolution frames for each view in the *rad* file, setting "QUALITY=High" to compute inter-reflections. The resulting ambient file is thrown away, since it would disagree with the new *-av* setting used for the final renderings. This method is preferable to setting the *-aw* option of *rpict*, which frequently results in splotchy artifacts.

**AUTHOR**

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**SEE ALSO**

lookamb(1), rad(1), rpict(1)