


/Users/lp1opa/Compare/camb_simdata/Make
file_main, Top line: 1

001	
002	#Files containing evolution eq
003	EQUATIONS ?= equations
004	POWERSPECTRUM ?= power_tilt
005	REIONIZATION ?= reionization



/Users/lp1opa/Compare/camb_simdata/Makefile_main, Top line: 24

```
024
025 F90FLAGS = $(FFLAGS)

026
027
028 HEALPIXLD = -L$(HEALPIXDIR
029 CAMBOBJ = constants.o ut
030 $(REIONIZATION).o modu
random_num_gen.o galan

031
032 F90CRLINK ?= -lstdc++
033
034 ## CosmoRec
035 ifeq ($(RECOMBINATION),cosmore
036 COSMOREC_PATH ?=../CosmoRec/
037 GSL_LINK ?=-lgsl -lgslcblas
038 camb: libCosmoRec.a
039 $(CAMBLIB): libCosmoRec.a
```

/Users/lp1opa/Compare/camb_des/Makefile_main, Top line: 30

```
030 CAMBLIB = $(OUTPUT_DIR)/
031
032 F90FLAGS = $(FFLAGS)
033 F90FLAGS += $(MODOUT) $(IFLAG)
034
035 SF90FLAGS = $(SFFLAGS) $(
036 SF90FLAGS += $(SMODOUT) $(IFLA
037
038 HEALPIXLD = -L$(HEALPIXDIR
039
040 CAMBOBJ = $(OUTPUT_DIR)
041 $(OUTPUT_DIR)/infile.
042 $(OUTPUT_DIR)/$(REIONI
043 $(OUTPUT_DIR)/$(NONLIN
044 $(OUTPUT_DIR)/camb.o
045
046 CAMBSO = $(DLL_DIR)/con
047 $(DLL_DIR)/infile.o
048 $(DLL_DIR)/$(REIONIZAT
049 $(DLL_DIR)/$(NONLINEAR
050 $(DLL_DIR)/camb.o $(DL
051
052 F90CRLINK ?= -lstdc++
053
054 ## CosmoRec
055 ifeq ($(RECOMBINATION),cosmore
056 COSMOREC_PATH ?=../CosmoRec/
057 GSL_LINK ?=-lgsl -lgslcblas
058 camb: libCosmoRec.a
059 $(CAMBLIB): libCosmoRec.a
```

/Users/lp1opa/Compare/camb_simdata/Makefile_main, Top line: 40

```
040 F90CRLINK += -L$(COSMOREC_PATH
041 endif
042
043
044 ifeq ($(RECOMBINATION),hyrec)
045 HYREC_PATH ?= ../HyRec/
046 camb: libhyrec.a
047 $(CAMBLIB): libhyrec.a
048 F90CRLINK += -L$(HYREC_PATH) -
049 endif
050
051
052 default: camb
053
054 all: camb $(CAMBLIB)
055
056
057 subroutines.o: constants.o uti
058 $(POWERSPECTRUM).o: routine
059 $(RECOMBINATION).o: subroutine
060 $(REIONIZATION).o: constants.o
061 modules.o: $(REIONIZATION).o $
062 bessels.o: modules.o
063 $(EQUATIONS).o: bessels.o
064 $(NONLINEAR).o: modules.o
065 lensing.o: bessels.o
066 $(BISPECTRUM).o: lensing.o mod
```

/Users/lp1opa/Compare/camb_des/Makefile_main, Top line: 60

```
060 F90CRLINK += -L$(COSMOREC_PATH
061 endif
062
063
064 ifeq ($(RECOMBINATION),hyrec)
065 HYREC_PATH ?= ../HyRec/
066 camb: libhyrec.a
067 $(CAMBLIB): libhyrec.a
068 F90CRLINK += -L$(HYREC_PATH) -
069 endif
070
071
072 default: camb
073
074 all: camb camblib.so libcamb
075 Release: camb camblib.so
076 Debug: camb camblib.so
077
078 libcamb: $(CAMBLIB)
079
080 $(OUTPUT_DIR)/subroutines.o: $
081 $(OUTPUT_DIR)/$(POWERSPECTRUM)
082 $(OUTPUT_DIR)/COMBINATION)
```

/Users/lp1opa/Compare/camb_simdata/Makefile_main, Top line: 67

```
067 cmbmain.o: lensing.o $(NONLINE
068 camb.o: cmbmain.o
069 Matrix_utils.o: utils.o
070 camb: $(CAMBOBJ) $(DRIVER)
```

```
071 $(F90C) $(F90FLAGS) $(
072
073 $(CAMBLIB): $(CAMBOBJ)
074 ar -r $@ $(CAMBOBJ)
075
```

/Users/lp1opa/Compare/camb_des/Makefile_main, Top line: 89

```
089 $(OUTPUT_DIR)/$(BISPECTRUM).o:
090 $(OUTPUT_DIR)/cmbmain.o: $(OUT
091 $(OUTPUT_DIR)/camb.o: $(OUTPUT
092 $(OUTPUT_DIR)/Matrix_utils.o:
093
094 $(DLL_DIR)/subroutines.o: $(DL
095 $(DLL_DIR)/$(POWERSPECTRUM).o:
096 $(DLL_DIR)/$(RECOMBINATION).o:
097 $(DLL_DIR)/$(REIONIZATION).o:
098 $(DLL_DIR)/modules.o: $(DLL_DI
099 $(DLL_DIR)/bessels.o: $(DLL_DI
100 $(DLL_DIR)/$(EQUATIONS).o: $(D
101 $(DLL_DIR)/$(NONLINEAR).o: $(
102 $(DLL_DIR)/lensing.o: $(DLL_DI
103 $(DLL_DIR)/$(BISPECTRUM).o: $(
104 $(DLL_DIR)/cmbmain.o: $(DLL_DI
105 $(DLL_DIR)/camb.o: $(DLL_DIR)/
106 $(DLL_DIR)/Matrix_utils.o: $(D
107 $(DLL_DIR)/camb_python.o: $(DL
108
109 camblib.so: folders $(CAMBSO)
110 $(F90C) $(SF90FLAGS) $
111 cp $(DLL_DIR)/camblib.
112
113 camb: directories $(CAMBOBJ) $
114 $(F90C) $(F90FLAGS) $(
115
116 $(CAMBLIB): directories $(CAMP
117 ar -r $@ $(CAMBOBJ)
118
```

/Users/lp1opa/Compare/camb_simdata/Makefile_main, Top line: 76

```
076 camb_fits: writefits.f90 $(CAM
077      $(F90C) $(F90FLAGS) -I
078
079 %.o: %.f90
080      $(F90C) $(F90FLAGS) -c
081
082 %.o: %.F90
083      $(F90C) $(F90FLAGS) -c
```

```
084
085
086 clean:
087      rm -f *.o *.a *.d cor
```

088

/Users/lp1opa/Compare/camb_des/Makefile_main, Top line: 119

```
119 camb_fits: directories writefi
120      $(F90C) $(F90FLAGS) -I
121
122 $(DLL_DIR)/%.o: %.f90
123      $(F90C) $(SF90FLAGS) -
124
125 $(DLL_DIR)/%.o: %.F90
126      $(F90C) $(SF90FLAGS) -
```

```
127
128 $(OUTPUT_DIR)/%.o: %.f90
129      $(F90C) $(F90FLAGS) -c
```

```
130
131 $(OUTPUT_DIR)/%.o: %.F90
132      $(F90C) $(F90FLAGS) -c
```

```
133
134
135 folders:
136      mkdir -p $(DLL_DIR)
```

```
137
138 directories:
139      mkdir -p $(OUTPUT_DIR)
```

```
140
141
142 clean:
143      rm -f *.o *.a *.d core
144      rm -f *.o *.a *.d core
145      rm -rf Release*
146      rm -rf Debug*
```

```
147
148 delete:
```

/Users/lp1opa/Compare/camb_simdata/Makefile_main, Top line: 89

```
089
090 ## CosmoRec make parts
091 cleanCR:
092     cd $(COSMOREC_PATH); m
093
094 libCosmoRec.a:
095     cd $(COSMOREC_PATH); m
096
097
098 libhyrec.a:
099     cd $(HYREC_PATH); make
100
101
102
```

/Users/lp1opa/Compare/camb_des/Makefile_main, Top line: 149

```
149 rm -f camb
150 rm -f pycamb/camb/*.so
151
152 ## CosmoRec make parts
153 cleanCR:
154     cd $(COSMOREC_PATH); m
155
156 libCosmoRec.a:
157     cd $(COSMOREC_PATH); m
158
159
160 libhyrec.a:
161     cd $(HYREC_PATH); make
162
```