

Appendix A. *Bmod* Structure Charts

The following are structure charts depicting the flow of the program.

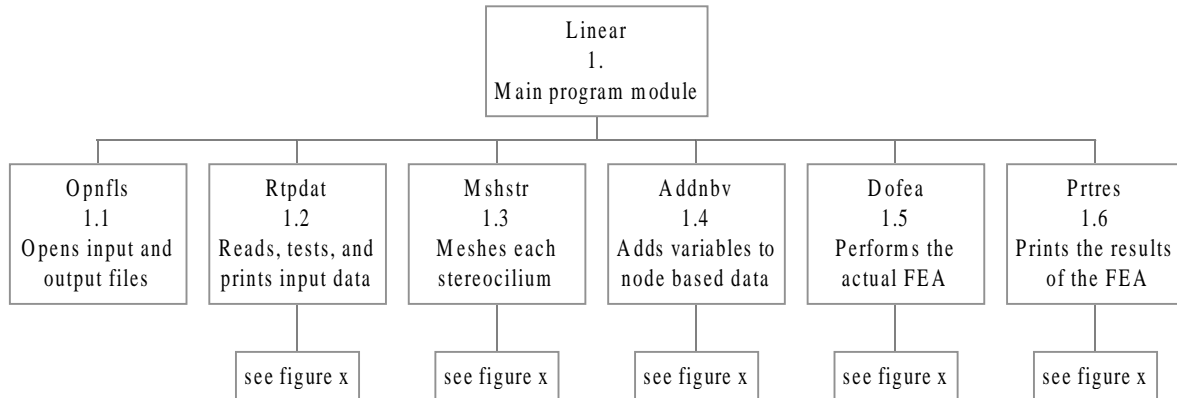


Figure A-1. Main routines of *bmod*.

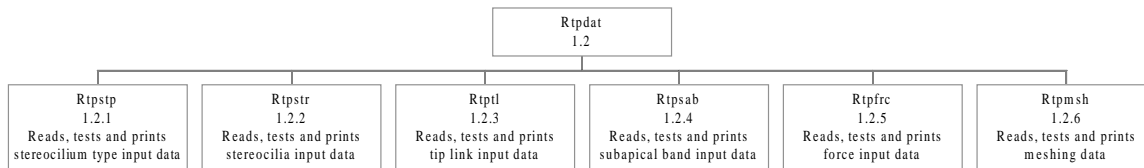


Figure A-2. Data input, testing, and input echo printing functions of the model.

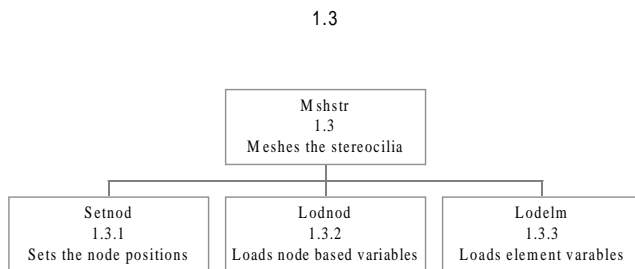


Figure A-3. Stereocilia meshing routines.

1.3.1

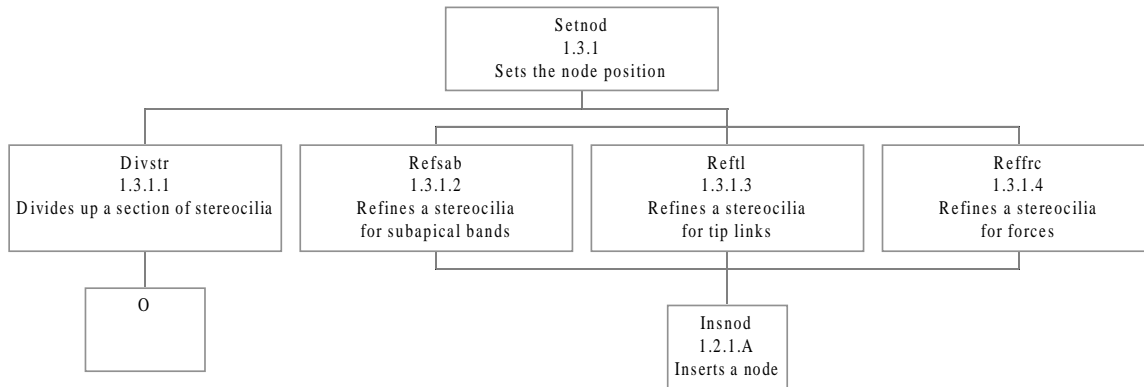


Figure A-4. Within the meshing routines, this subset of routines sets nodal positions.

1.4

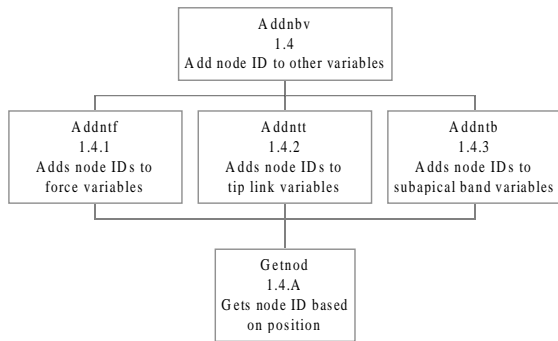


Figure A-5. These routines add node based variables to various data structures.

1.5

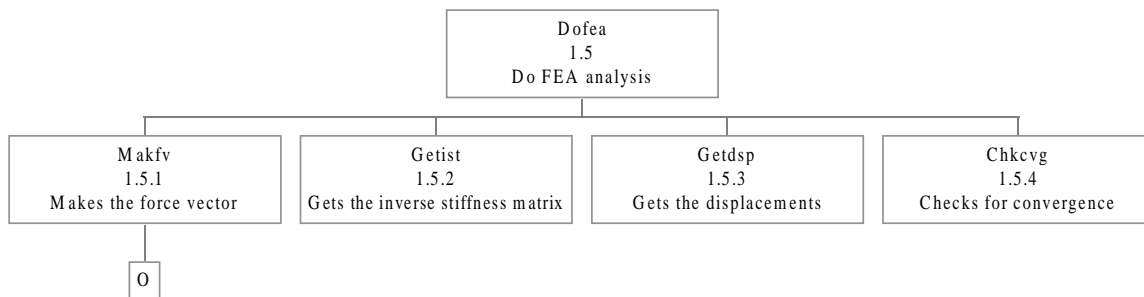


Figure A-6. Routines that actually perform the finite element analysis.

1.5.2

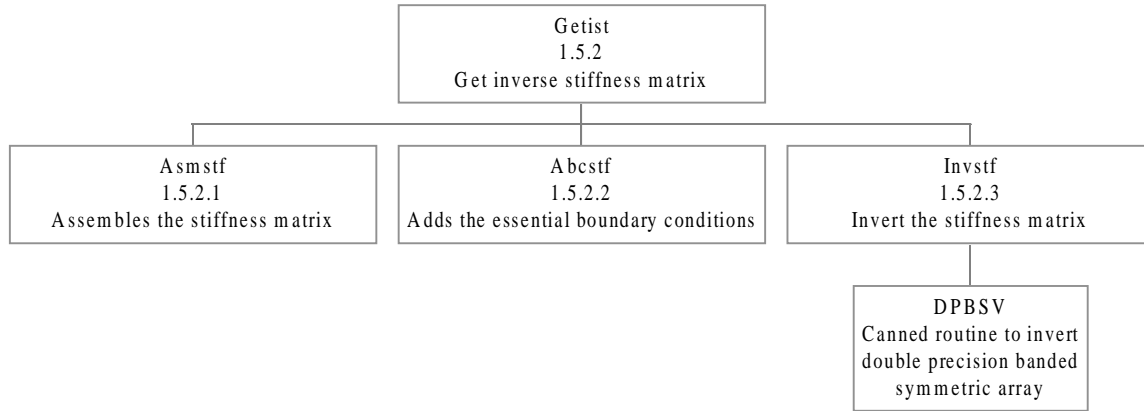


Figure A-7. Routines that invert the stiffness matrix.

1.5.2.1

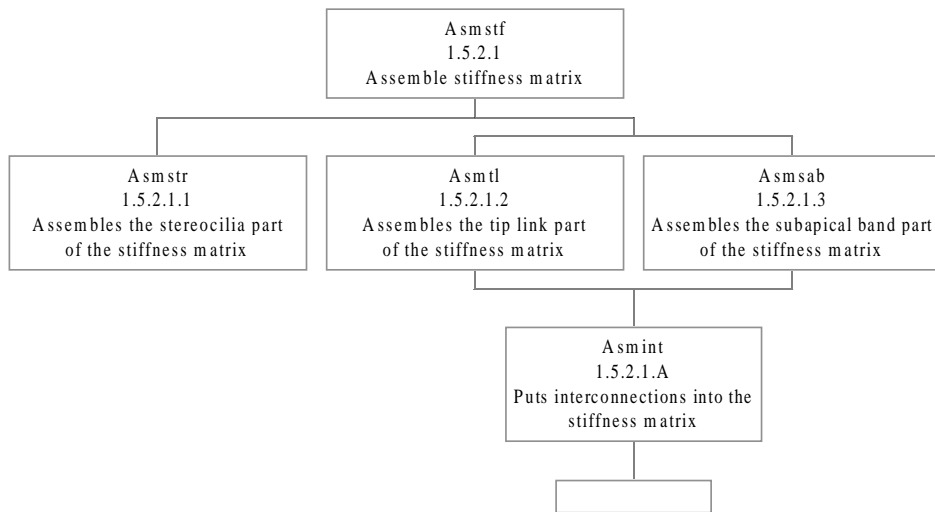


Figure A-8. Routines that assemble the stiffness matrix.

1.5.2.1.A

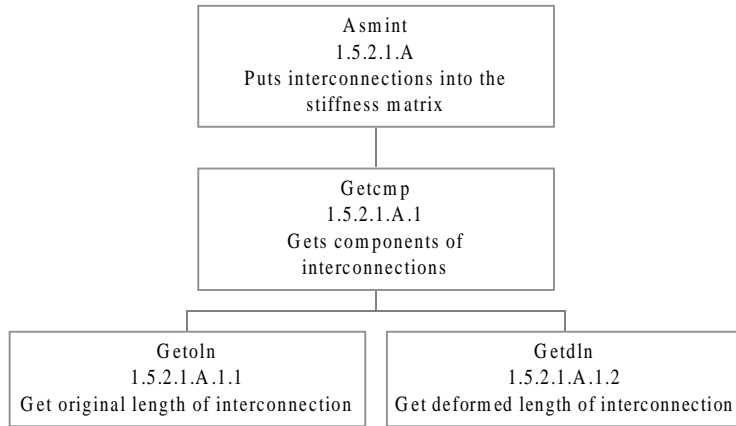


Figure A-9. Routines that put the interconnections into the stiffness matrix.

1.6

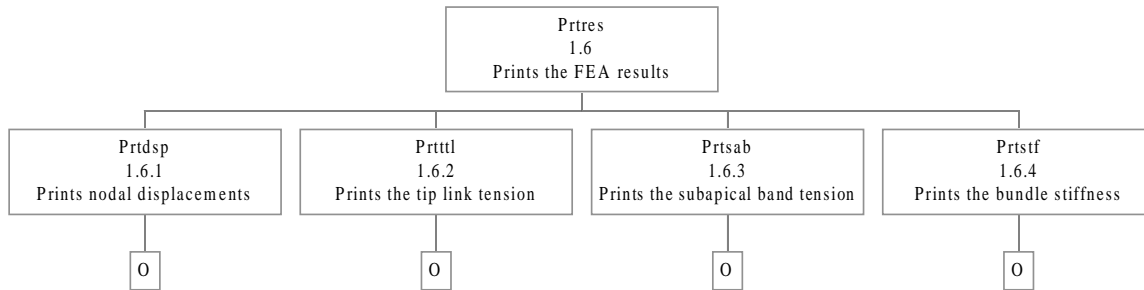


Figure A-10. The following subroutines are used to handle printing the output of the run.