How to use a Computer Algebra System (CAS) for solving my problem? May be I just have to use the built-in capabilities of the system? Or I have to develop a program package (or a new special purpose CAS)? It depends on the problem to be solved, on the available CAS and so on.

Using examples of CAS applications developed with participation of the author, features of different approaches are considered. Some conclusions and open questions are formulated.