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Covering of the realisations of the random sets

In recent years, random sets were recognised as a valuable tool in modelling different processes from fields like biology, biomedicine or material sciences. Although being able to describe a particular model, sometimes it is enough to distinguish between two realisations without specifying the underlying processes. However, since the realisations can be of very rough shapes, a simplification is usually needed. It may be based on different approximations or covering by simpler objects like discs or other convex compact sets. This poster introduces such simplifications, mentions their advantages and disadvantages, and briefly describes their usage for distinguishing between random sets realisations.