Supernova  
   
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A supernova (pl.: supernovae) is a powerful and luminous explosion of a star. A supernova occurs  
during the last evolutionary stages of a massive star, or when a white dwarf is triggered into runaway  
nuclear fusion. The original object, called the progenitor, either collapses to a neutron star or black  
hole, or is completely destroyed to form a diffuse nebula. The peak optical luminosity of a supernova  
can be comparable to that of an entire galaxy before fading over several

## Wikipedia Excerpt: Document classification

Document classification or document categorization is a problem in library science, information science and computer science. The task is to assign a document to one or more classes or categories. This may be done "manually" (or "intellectually") or algorithmically. The intellectual classification of documents has mostly been the province of library science, while the algorithmic classification of documents is mainly in information science and computer science. The problems are overlapping, however, and there is therefore interdisciplinary research on document classification.  
The documents to be classified may be texts, images, music, etc. Each kind of document possesses its special classification problems. When not otherwise specified, text classification is implied.  
Documents may be classified according to their subjects or according to other attributes (such as document type, author, printing year etc.). In the rest of this article only subject classification is considered. There ar