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A small glossary for some of the terms in this book

The scientific names of objects and phenomena are a source of misunderstandings and mistakes. The meaning of some words in the following text differs from some commonly used English words. The following terms will be gradually clarified in the text of the book.

The Universe = Cosmos = the name of entire World (everything). Universe is a total system of physical elements and physical processes (temperatures). The word space does not mean Universe in this book!

The space = physical space. The name of the substance, that makes up everything in our Universe (now distant from which everything is „made“). The physical density of space is the last parameter that can be used to characterize space. The physical density of space is always positive. The numerical density of physical space is finite (density here = „per“ Kelvin-degree). Do not confuse the physical density of space with the (apparent) density of a macroscopic body, calculated from the volume of a body and its mass.

The matter = material physical form of physical space. Matter continuously and completely fills the entire Universe. Matter exists in two forms. Matter = plasma or matter (like in stars) and condensed matter.

Body = body with in the physical sense of the word. Physical body always has a physical (macroscopic) source. The physical body is a specific material. Each physical body must be bounded by a surface (the shell).