

All natural laws esp. physical laws describe properly different real processes, forms or events properly. E.g. To describe position of a piston in crank mechanism at any time.

Not to mix reality, real processes, forms and events with the description of them in the forms of a theory of the law. Law, laws, theories are invented (derived, constructed) by people on the basis of abstracted real processes in a given time and space.

All upper mentioned laws has only temporal validity for chaotic background together with the influence of other describable laws – only probabilistic solutions with limited validity. In short, where there are suitable conditions, the law described by the theory will work (see crystallization), but how long the crystallization process will take, the theory describing the law will not tell you, even in a protected laboratory where there may be a power failure. And this is true of all laws of physics, which may correctly describe verifiable reality at a given level, but for how long? The function of a machine or power plant is determined for the design values. It is not possible to consider over-designed accidents, like the crash of a large airplane, sabotage, a natural disaster or war, or something else like the fall of a larger meteorite. And it takes effort to keep a machine or a plant within design conditions. Permanent effort in correcting surrounding and internal conditions (e.g. wearing of materials), protecting against "random" influences that could grow and thus influence the safety of the machine or plant operation. And what to say about mathematical models, theories cutting out real world processes? How to ensure their validity over a long period of time? How were they kept in the distant past? Or how they will be kept in the distant future. See the precision of atomic clocks, the question is their influence not only by internal but also by external influences, and we are at the calculus of probabilities.