Dear,

I am submitting an article regarding an approach to aging analysis. In that work, I present a methodology capable of predicting the failure of systems based on the aging of their components. For this, I use important mathematical tools, such as: Monte Carlo Method, Fault Tree and Fussel-Vesely Techniques and Principal Component Analysis.

The methodological approach presented in the paper can be used for a composing of a predictive model that can be used for purposes of safety, optimization, elaboration of maintenance routines and systems development.

In addition to the above, I state that the paper sent is not currently submitted to other journals and that it will not be submitted to other journals during the reviewing process.

Regards,

Diogo da Silva Borges | PhD student at the National Institute of Metrology, Quality and Technology (INMETRO).