

KNOWLEDGE AND SPIRITUALITY

- thinking patterns -

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Abstract. The development of the mathematical models that can simulate psycho-physiological structures, led to the more conspicuous emphasizing of the great importance that engineering plays in the psychological research. With such a method, implemented in a technology capable to identify from biophysical data the activity of the cerebral functions, this work brings experimental proofs of the influence of the spiritual factor on the knowledge. Achieving compared determinations, for one hand, by raising the psychological profile using the EDA principles (electrodermal activity), on the other hand, by identification of the psychological relevance in the text structure, the authors demonstrate the existence of a *spiritual level* expressed in transition index, suggesting a new model in knowledge. This model reveals the functional aspects of thinking under the influence of the *spiritual level*, the way in which the clouds of *fractal and constructal patterns* of thinking.

Keywords: model, psychology, cerebral functions, spiritual level, cognitive pattern, knowledge ways, fractal, constructal

1. Introduction

An experimental approach of the cognitive pattern can be a challenge for the modern techniques and technologies. But the experimental determination of a physical measurement which can be connected to the spiritual activity of the human being seems unlikely. The idea of association of knowledge in its multiple forms to the spirituality should lead us directly to the areas of philosophical – theological issues, where, besides the arguments of the exact sciences, shall play their part the thinking tendencies, the ensemble of beliefs, the dogmatic assertions, etc, all these leading the speech toward abstract debate. But, here, we wanted the direct evaluation of the psychological profile, both of the form of the cognitive pattern and also of the correlation between such and the level of the *spiritual status* found in a physical measurement, that we have conventionally called transition index.

All these have been possible due to an implementation of technological engineering, (ESPE), an expert system of psychological evaluation in course of patenting (www.biospecter.com), instrument with which most of the experimental

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