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Fifth Generation Based AI Technologies on Eccentricities

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Description

Into the highest level of invention or discovery we find that many of humanity's advances have been achieved by eccentricities of its author, where he has tried to imagine or create something different from what can be generated by deduction, imitation or reasoning, which they are already elaborate forms of intelligence. In this work is proposed to join one last layer after the abstracting information of the data of the process, and the first level of the intelligence, like NN, any classification methods, reasoning etc. a new layer of the analysis of this information to search some matching with the eccentricities proposed, this can produce one result that can be seen as a great level of intelligence if this is according to the hypothesis. The premises and viability are also analyzed to be viable the proposed hypothesis.

The artificial intelligence have been developed to be used in many new areas, started in a automatic control then in a robot navigation and recently in a cars and in a facial recognition etc. Also the algorithms have been changed, augmenting the quantity of the neurons in a NN, and mixing different techniques, clustering, genetic, stochastic algorithms, reasoning, and learning possibilities. All these give huge potential at new applications. In this work, we focus to some new paradigms, as follows.

We understand as environmental intelligence, the knowledge that the human

being has in a known environment of interaction between machines, tools, materials, space, etc., with which the operator knows exactly how to act, for example, after a problem arisen suddenly and new, there exist methods for isolation and fault detection, but not for the automatic resolution of them. We know that it is possible to improve the automatic resolution of the problems that have arisen, increasing the sensing of the environment, so that artificial intelligence can contribute more knowledge to the solution of the problem.

Super intelligence as an agent element that encapsulates information and methodology, with capacity for artificial intelligence among the cooperating elements, which can overcome the brilliance of a trained human, leads to the development of skills and abilities of an inventor or artist. It is also being discussed if a robot or artificial intelligence should be entitled to patents or copyrights, for this the machine must be able to generate new tools or artistic or scientific creations, which is where we want to get to this work. The machine by artificial intelligence aims to discover or invent something that the programmer himself cannot accurately observe and predict. With this, the process will provide the data that will be used to adjust the algorithm parameters and obtain the appropriate results, therefore, the programmer by introspection can determine the formulae or the configuration method, it seems that it is not obvious, when there are large numbers of weights adapted by the methodology and parts of the enhancer algorithm, plus the interaction between the parts and their scheme. How to invent or create something new is possible, in this paper we present an upper layer of artificial intelligence, where the result of a neural network that already makes its decisions, for example, to determine whether it is a dog or a cat the image, and through for more information and this result, for example, indicate the character of that animal. For this, it is necessary to start from a hypothesis and provide an algorithm that represents it, and adjust the parameters through learning so that the new experiments obtain favorable results, as is the case of the new scientific theories that must at least be validated by the experimentation.

Example: suppose a chemist who proposes a new mixture of products and processes that can produce a synthetic material. First, it is to assess whether the proposed method is positive with existing knowledge, which has not yet been experienced. Then verify that with the existing knowledge it is possible to reach the non-hypothesis. The next step will be to try, from the existing knowledge, to suppose a new form for the realization of the hypothesis, which will surely have different possibilities, some impossible, some possible and one of them optimal, that would be the desirable result, and with that it would have expanded prior knowledge and could be considered as a new and intelligent step.