



MODERN PROBLEMS IN EDUCATION AND THEIR SCIENTIFIC SOLUTIONS

RESEARCHER STUDENTS FOR SCIENTIFIC SEARCH METHODS POSSESSION SKILLS DEVELOP

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Abstract: *This article discusses the idea of rank correlation, which is the degree of agreement between opinions when the authors' opinions and conclusions are not the same, when assessing the importance and weight of factors that ensure the achievement of the intended goal in the sources studied, the results of previous scientific research on the topic of the study and related fields.*

Key words: *scientific concepts, principles and axioms, scientific laws, theories and hypotheses, empirical scientific facts, methods, techniques, research paths, continuous developed going knowledge, scientific labor objects, tools and scientific activity*

A scientific problem is a theoretical and practical issue that requires a solution, without which scientific research work cannot be carried out. In the technical field, scientific problems are issues that arise due to the high consumption of energy and other resources due to the fact that production equipment and processes do not meet certain requirements in one way or another, and their solution is necessary for the development of society. Scientific problems in science previous achieved results among grow comes out. For example. Electricity motors creation many fundamental, practical and developments results with related from it use in the process various kind factors under the influence them intact work deadline mature from the deadline much lower coming them operational reliability increase the problem brought It comes out. To the surface arrived scientific problems solution in finding new knowledge need will be and to this scientific research as a result is achieved. Any scientific problem two integral connected the element in the room embodied does: first, we do something our knowledge (reality, process, energetic device and hklar) they about objective to knowledge has our part, the second, the new laws or previous taken knowledge in practice to use principal new method create opportunity about to the hypothesis has let 's be need. Scientific problem to put – problem search, problem to put and development (expansion) stages own inside The problem is search – scientific problem to the surface arrival socia, economic and technician basics with related to be possible. Social to the base has was energetic problem as ecological clean energy working release, environment non-polluting internal combustion engine create with related problem example as we get possible. Some problems not much clear even if not, undoubtedly to be large scientific technician problems to the point For example, high to permeability has electricity energy transmission network create or if not sun from energy electricity energy to take the effect increase and This is large scientific technician problems to the





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composition many small problems enter goes. In use results expected from indicators sharp difference to do as a result problems to the surface arrival many occurring For example , in theory and practical knowledge based on clear and perfect done accounts according to created electrical engineer device or equipment, of which certain one under the circumstances use during quickly from work out stand, device or equipment in the passport designated energetic indicators from the current one difference to do and etc. Electrical engineer equipment technician reliability, operational efficiency study with connection, necessity electrical engineer equipment and electrical engineer of devices operational reliability increase the problem to the surface Scientific problems search and in formation them solution for thinking placed from research expected the results practice with needs (requirements) mutual attitude following three on principle suitable arrival important: – define taken in the direction of this problem without solution the technique in the future development possibility is there? – in sight caught research result technique to the field clear what gives? – specified scientific problem according to take to go research as a result to be taken in sight being held knowledge new laws, new method, technology and technician devices today's science of the day and in technology to the existing ones relatively large practical importance Do you have it? The problem to put (formulate). Scientific problem search and choice human scientific thinking and practical in the activity the most complicated and still unlearned and known not happened knowledge looking for as if to find one the other one denial to do is a process. The problem right formation and him/her from research intended purpose, research object and research take to go borders by designating to be taken how much perfect done increased, scientific research to the results in reaching important place This issue, namely problem to put most in cases every one research topic individual approach for based on solution is being done. together known to the generality has following rules also stating the existence transition necessary: – scientific to the problem related science and of the technique the most last achievements good knowledge and from before solution known problem not to put, otherwise in other words to the problem related known knowledge from the unknown clear to limit; – to take to go discussions border and research object clear by designating to obtain; – scientific problem solution methods to determine, that is problem type (scientific) control, practical, special complex) research take to go methodology to determine.

The problem expansion, addition solutions with fill in the blanks. solution during, additional, i.e. the main problem the solution filler research take to go necessity birth For example, electricity from energy effective use the problem solution this main problem other many problems solution necessity to the body Electricity equipment operational reliability increase, unconventional energy from sources use, energy economical electrotechnological processes working exit and hk main problems – electricity from energy use the problem expansion and replenishment, enrichment provides. Electricity equipment operational reliability increase issue to the solution achieve and, itself in turn, in this matter one how much in the direction to solutions achieve according to research to





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transfer question For example, electricity equipment from abnormal mode protection tools working output (creation), technical shuttle show system improvement, electrical engineering equipment constructive improvement according to research take to go necessity to the surface Brings materials. study. Any scientific research works previous research experiments, research materials and scientific search take going to the field close in the fields research materials wrapping and from the analysis begins. Research topic within from himself/ herself previous take visited research as a result aware not happened seeker many in cases already to the solution has problem or to the point in vain power and time Research to the topic related materials to study two to the stage to be possible: First stage. Information sources determination. At this stage research to the topic related printed in the direction scientific published in works (monographs), brochures, magazines articles dissertation works and their abstracts, abstracts magazines, scientific published in collections articles on websites cited information with getting to know will be released. Getting to know issued information sources and in them research to the topic related issues according to achieved solutions primary information to the card lowered information card file is formed. (Figure 2.3). The second stage. At this stage gathered information sources having studied will be released and they analysis Every information at the source cited information and untied issues with before getting to know looking at will be released and they you take going research to the topic close if so, it read out deep analysis will be done.

Research to the topic related and to him/her fellow in the fields take visited previous scientific research results learned in sources intended to the goal to achieve provider of factors importance and weight in evaluation authors idea and conclusions one kind not happened in cases thoughts each other right arrival (rank) rank correlation in the way mathematician analysis The analysis result is based on The importance of signs (symptoms about level of agreement The value (size) is determined and this size concordance is called the coefficient. All studied in sources authors by factors importance and weight evaluation full each other right if it comes concordance coefficient is equal to 1 will be. Information in the sources cited characters color (level) sum how much small if this sign more important that shows. Scientific of the research next stage worker hypothesis to form, to produce is the exit. Worker hypothesis. Science and in technology there is knowledge chosen in the direction new problem to set (mark) or still unresolved issues showing to give for enough if them solution for enough not. To the surface arrived new scientific problem solution for new scientific knowledge, new evidence need Research being held related to the problem (topic) gathered evidence scientific search take on the way important importance has if they own from himself/ herself scientific progress organization does not and they problem to the solution achieve according to known one proposals, that is hypotheses previously to push need will be. Worker hypothesis – observed evidence come exit reasons probability about or if not reality and processes in mind being observed (in the eye) ongoing development about researcher by previously pushed based guess (prediction). Worker in hypothesis research object (reality, process) according to there is knowledge from the circle





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wider in content is formed, new scientific the results to search basis to be service doer probability to the character has new ideas previously The development of science shape as hypothesis essence and That's the price. Hypothesis this so hypothesis or guess (prediction) first of all, that this science in the field (e.g. energy, technology, thermodynamics and other fields) scientific basically designated hypotheses and to the laws contrary not to be necessary, secondly, done hypothesis or guess the probability of its truthfulness based or justification possible to be need. If before pushed hypothesis or guess) in practice full own instead occupied unscientific (against polytheism) to be if it comes out him/her scientific hypotheses in a row by entering It won't be. An example of this is as permanent engine create probability energy preservation to the law contradiction and this hypothesis scientific accepted as a hypothesis as It won't work. Worker The minimum requirement required from a hypothesis is research. take going in the facility the process or time to the end impact provider conditions, impact provider indicators by designating The maximum demand is research. take going at the facility process or reality to pass full or to him/her close level in probability open gives to him theoretical and experimental research based on worker hypothesis proof way with is achieved. Justified, proven and developed worker hypothesis scientific theoretical degree It grows. Clear and wide in scope created worker hypothesis theoretical and experimental research methodologies being studied temporary or the object representative measurable clear parameters to be included opportunity gives and this and own in turn of research next in stages take to go work Scientific research done increase known one to the system and in advance working issued to the plan mainly take Scientific from research intended to the goal achieve clear one research take to go to the style relied on without and to him/her mainly done is increased . In general research take on the way very many from methods are used. Of them some various in various fields of science usage possible.

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