

kvantebis, masisa da taxionebis problemebis Sesaxeb.

beria g.

taxionebis, anu zesxivuri siCqariT moZravi nawilakebis arsebobis sakiTxi Tanamedrove fizikis fundamenturi problemaa. saerTod gavrclebulia azri, TiTqos einSteinis fardobiTobis Teoria kategoriulad uaryofs zesxivur siCqares. magram es ase ar aris. am Teoriis maTematikuri aparati gvaZlevs kompleqsur variants, rodesac masa aris warmosaxviTi sidide, xolo fardobiTi siCqare $v > c$. masa aris dinamiuri meoradi warmonaqmni, eleqtruli da magnituri kvantebis urTierTmoqmedebis Sedegi. urTierTmoqmedebis aucilebeli pirobebi warmodgenilia maqsvelis gantolebebSi. es pirobebi SeiZleba dairRves. Sedegad dinamiuri struqtura daiSleba. masa Sewyvets arsebobas. siCqaris zeda zRvari gaqreba. neitrino aris magnituri kvanti, romelmac dakarga kavSiri nawilakis eleqtrul komponentTan. mas masa ar gaaCnia. axali koncefcia ar uaryofs klasikuri fizikis kanonebs, mxolod amtkicebs, rom es kanonebi samarTlianია mxolod garkveul diapazonSi, romlis miRma arsebobs mecnierebisaTvis jer kidev ucnobi samyaro, sadac masis Semcveli fizikis kanonebi ar moqmedebს. es samyaro miuwwdomelia mecnierebis Tanmedrove Teoriebis, xelsawyoebisa da meTodologiisaTvis. saWiroa axali xedva, meTodebi da instrumentebi. kerZod, mosalodnelia, rom taxioni aris ara marto zeswrafi, aramed zeuZravიც. kargad cnobili elementaruli nawilakebi warmoadgenen garkveul lokalizebul sivrceSi Caketil dinamiur struqturebs. maTi uZraoba moCvenebiTia. maTgan gansxvavebiT taqionebi SeiZleba maTze moqmedi Zalebis tolqmedis nulovani mniSvnelobis SemTxvevaSi gadavidnen absoluturad uZrav mdgomareobaSi.

gazgamanwilebeli qselebis araaRdgenadi sistemis saimedobis maxasiaTeblebis dadgena civi da msubuqi rezervirebisas, lupingis arsebobisas.

namgalaZe d.p., bainduraSvili g.m.

naSromSi ganxilulia gazgamanwilebeli qselebis araaRdgenadi sistemis saimedobis maxasiaTeblebis dadgena civi da msubuqi rezervirebisas, lupingis arsebobisas. naSromSi miRebulia Semdegi daSvebebi: rezervis gadamrTveli mowyobiloba absoluturad saimedoa, xolo rezervis elementisas (lupingi) ar SeiZleba moxdes mtyuneba, muSaobis CarTvamde. sabolod miRebulia sistemis mtyunebis safrTxesა da albaTobis ganawilebis simkvrivis funqciis analizuri gamosaxulebebi.

saqarTveloSi qarის eleqtrosadgurebis efeqtianobis Sesaxeb.

baxturiZe s.b.

saqarTvelos regionebis qarის energetikuli potencialis dasaxasiaTeblad, SemoRebulia `adekvaturobis koeficienti~. misi gamoyenebiT gansazRvrulia regionebis qarის energetikuli potencialis energosistemis interesebTn Sesabamisobis xarisxi. konkretul magaliTze aris naCvenebi, energosistemis ganviTarebisaTvis, qarის eleqtrosadguris efeqtianoba.

dekoratiuli qvis mopovebisas masivis mTlianobis SenarCunebis mizniT konturuli afeTqebis gamoyeneba.

CixraZe n.m., xomeriki s.k., afriaSvili a.g., kuWuxiZe z.k.

statis moyvanilia monoliTur da napralovan samTo masivebSi feTqebadi nivTierebis detonaciisa da qanSi Zabvis talRis siCqareTa Tanafardobis gavlenis dasadgenad Sesrulebuli Teoriuli kvlevisa da laboratoriuლ da pologinur pirobebSi Catarebuli cdebis Sedegebi. miwisqveSa gamonamuSevrebis kedlebis da Taris saboloo konturebis miRebis optimaluri gzebi, rac saSualebas iZleva gamonamuSevarSi miRebul iqnes araswori zedapiri, romlis cdomileba ar aRemateba 5 sm-s. statiaSi moyvanili cxrili da diagrama TvalnaTliv gviCvenebs Spurebis diametrsa da maT Soris manZilebis damokidebulebas gamonamuSevarSi idealuri, saproeqtosTan maqsimalurad miaxloebuli, konturebis miRebis saWiro parametrebs.

anakliis porti da Tavisufali ekonomikuri zona.

margalitaZe i.n., gabiZaSvili l.g.

Sav zRvis Crdilo-aRmosavleT sanapiroze yvelaze Rrmawylovani 16 metriani porti anakliaSi, SeZlebs moemsaxuros yvelaze did, panamaqsisა da postpanamaqsis tipis gemebs. mas saukunis proeqტი uwodes.

anakliis portTan mimdebare Tavisufali industriuli zona kidev erTi mniSvnelovani faqtori iqneba anakliis uzarmazari potencialisTvis, gaamartivos vaWroba evropasa da azias Soris. igi iqneba erT-erTi mniSvnelovani rgoli CineTis globalur proeqtSi „axali abreSumis gza: erTi sartyeli, erTi gza“, romelic ZiriTadad aRmosavleTisa da dasavleTis infrastruqturuli kavSiris gaZlierebas isaxavs miznad. saqarTvelo realurad gaxdeba karibWe aRmosavleTsa da dasavleTs, CrdiloeTsa da samxreTs Soris. saqarTvelo gaxdeba Zlieri satranzito, satransporto, finansuri, turistuli da samrewvelo habi.

abasTumnis mineraluri Termuli wylebis specificuri qimiuri Sedgenilobis formirebis ganmapirobebeli geoqimiuri garemo.

zautaSvili n.b.

abasTumnis mineraluri Termuli wylebis specificur qimiur Sedgenilobas ganapirobebs aWara-TrialeTis naoWa zonis Rrmad daZirul struqturebsa da siRrmuli ganlagebis teqtonikuri rRvevis zonebSi arsebuli geoqimiuri garemo, romelSic xdeba am wylebis formireba.