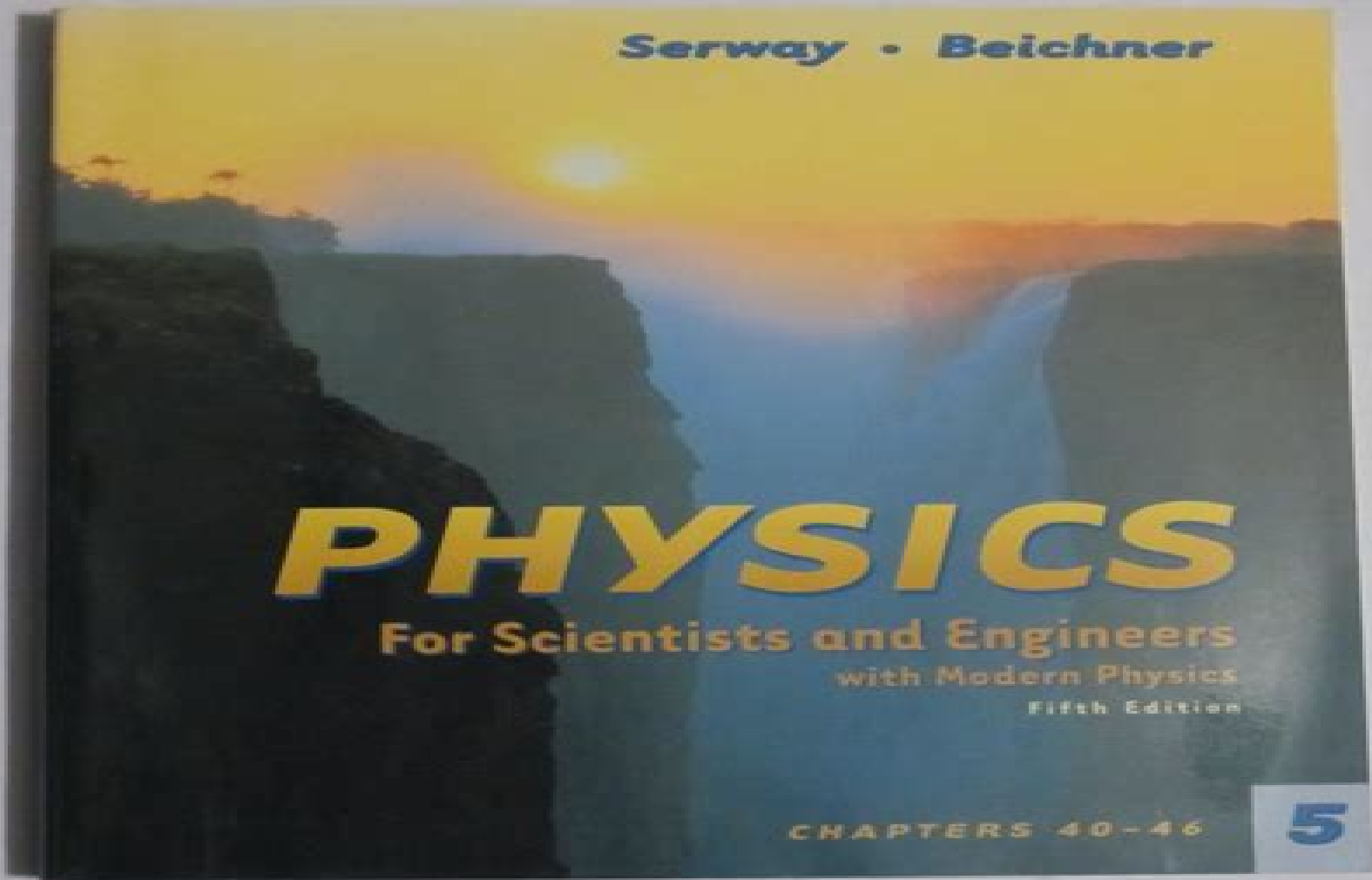




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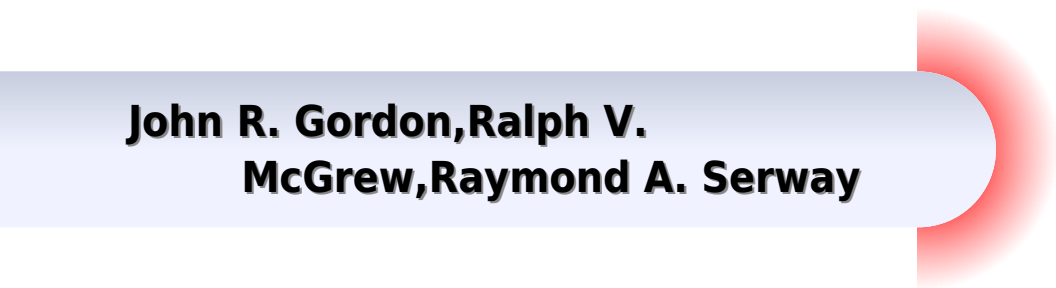
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5

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additional helpful resources *American Journal of Physics* ,1999 Buclele cauzale în călătoria în timp Nicolae Sfetcu,2019-01-24 Colec ia ESEURI Despre posibilitatea c l toriei n timp pe baza mai multor lucr ri de specialitate printre care cele ale lui Nicholas J J Smith Time Travel The Stanford Encyclopedia of Philosophy William Grey Troubles with Time Travel Ulrich Meyer Explaining causal loops Simon Keller i Michael Nelson Presentists should believe in time travel Frank Arntzenius i Tim Maudlin Time Travel and Modern Physics i David Lewis The Paradoxes of Time Travel Lucrarea ncepe cu o Introducere n care fac o scurt prezentare a c l toriei n timp i continu cu Istoria conceptului de c l torie n timp prezentarea principalelor aspecte fizice ale c l toriei n timp inclusiv c l toria n timp n trecut n relativitatea general i n fizica cuantic i c l toria n timp n viitor apoi o prezentare a Paradoxul bunicului care este abordat n aproape toate lucr rile de specialitate urmat de o sec iune dedicat Filosofiei c l toriei n timp i o sec iune n care analizez Buclele cauzale pentru c l toria n timp Finalizez lucrarea cu Concluzii n care expun opiniile personale privind c l toria n timp i Bibliografia pe care se bazeaz lucrarea

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web the moose moose alces alces first arrived on isle royale in the early 1900s since that time moose have become one of the

iconic mammals of isle royale national park the moose population of isle royale has fluctuated over the years since 1980 the population has been as low as 500 animals and as high as 2 400

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web isle royale has offered many discoveries how wolves affect populations of their prey how population health is affected by inbreeding and genetics what moose teeth can tell us about long term trends in air pollution how ravens give wolves a reason to live in packs why wolves don t always eat all the food that they kill and more

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web sep 27 2021 this activity explores images of wolves hunting a moose on isle royale which serve as phenomena for learning about predator prey population dynamics isle royale an island in lake superior is the site of the longest continuous predator prey study in the world since 1958 scientists have monitored the island s wolf and moose

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web cause the moose and wolf populations to fluctuate over time the isle royale model in ecobeaker in this lab you will explore populations of predators and prey using a simplified simulation model of the isle royale system the isle royale model involves three species plants moose and wolves

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web wolf moose populations 1980 to today the populations of wolves and moose on isle royale constantly adjust as food availability weather and seasons affect the health and reproduction of the animals over time notice as the wolf population declines the moose population increases and vice versa in the past forty years isle royale has

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web but we get a different sense is if we also consider the highest density of moose ever observed on isle royale 4 4 moose km² in 1996 and the subsequent year when the moose population collapsed see section 1 this observation is represented by the point on the lower right portion of the graph

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web 1 how much of a time lag does there appear to be between a moose peak and a wolf peak the time lag between the wolf peak of 1980 and the moose peak of 1995 is about a 15 year time lag 2 during what year was there a large wolf die off hypothesize what might have been the cause of this die off there was a large wolf die off after 1980

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web to analyze the relationship of predator prey interactions between moose and wolves what is population growth changes in the size and composition of populations and the factors that cause those changes fill in the blanks the larger a population becomes the it

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web what animals populated isle royale after the moose how did they reach the island and what effect did this have on the moose population a small pack of wolves found and crossed a rare ice bridge that formed between the mainland and isle royale in the 1940s

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web provide a biological explanation for why the moose population overshoots its carrying capacity when moose first colonize isle royale hint consulting the introduction might help at year 50 or later with the moose population at its carrying capacity what would happen if an extra 200 moose suddenly arrived on isle royale how would this

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web isle royale worksheet this lab simulation will take place in the simutext software by simbio use this worksheet to make sure you can answer questions about the lab that may appear on your lab quiz i e stable moose population for moose approx 200 the capacity did not change because moose are limited by plant growth which did not