Results:

Rank: 1, Page: 6

sign and analysis of ef-cient data structures has long been recognized ... and analysis of ef-cient data structures has long been recognized as a ... neering undergraduate degrees data structures and algorithms

in python ... ng undergraduate degrees data structures and algorithms in python prov ... n provides an introduction to data structures and algorithms including ... vides an introduction to data structures and algorithms including thei ... for use in a beginning

level data structures course or in an intermed ... use in a beginning level data structures course or in an intermediatel ... jectoriented approach

is that data should be presented as being en

cap ... is rather than

simply viewing data as a collection of bytes and address ... tes and addresses we think of data ob

jects as instances of an abstrac ... s as instances of an abstract data type adt which includes a repertoir ... for performing operations on data objects of this type we then empha

... mplementations for almost all data structures and algorithms discussed ... entations for almost all data structures and algorithms discussed

and ... most common abstractions for data collections

eg stacks queues lists ... cient realizations of

common data structures

they can analyze algori ... t realizations of

common data structures

they can analyze algorithmic ... they can wisely use existing data structures and algorithms found in ... can wisely use existing data structures and algorithms found in moder ... ations for most foun

dational data structures and algorithms

they can ... s for most foun

dational data structures and algorithms

they can appl ... nd algorithms

they can apply data structures and algorithms to solve ... gorithms

they can apply data structures and algorithms to solve compl ... many example applications of data structures

throughout the book incl ... example applications of data structures throughout the book including

Rank: 2, Page: 719 ement and btrees

our study of data structures thus far has focused pri ... and btrees our study of data structures thus far has focused primaril ... ry systems in our analysis of data structures we have provided asympto ... stems

in our analysis of data structures we have provided asymptotic b ... Il amount of memory used by a data structure in this chapter we consid ... ble locations in practice the data

used by an executing program is sto ... e consider the use of classic data structures in the algorithms used t ... sider the use of classic data

structures in the algorithms used to

man ... archies impacts the choice of

data structures and algorithms for class ... es impacts the choice of

data structures and algorithms for classic pr ... ent

in order to implement any data structure on an actual computer we ... naged so as to determine what data is stored in what memory cells in t

Rank: 3, Page: 43

gh the series of indices of a data sequence uses a syntax

for j in ran ... applied within nested control

structures it causes the termination of ... er a target value occurs in a

data set
found false
for item in data
i ... set
found false
for item in data
if item target
found true
break
p

.....

Rank: 4, Page: 321

the most important nonlinear data structures in

computingtrees tree s ... most important nonlinear data structures in

computingtrees tree struct ... ctures in

computingtrees tree structures are indeed a breakthrough in ... are indeed a

breakthrough in data organization

for they allow us to i ... faster than when using

linear data structures such as arraybased lists ... r than when using

linear data structures such as arraybased lists or I ... de a

natural organization for data and consequently have become ubiqui ... uently

have become ubiquitous structures

in ·le systems graphical user ... the main terminology

for tree data structures comes from family trees ... ain terminology

for tree data structures comes from family trees with

.....

Rank: 5, Page: 131

erested in the design of good data structures and algo-

rithms simply p ... ed in the design of good data structures and algo

rithms simply put a ... and algo

rithms simply put a data structure is a systematic way of or ... of organizing

and access

ing data and an algorithm is a stepbystep pr ... t to be able to classify some data structures and algorithms as good w ... be able to classify some data structures and algorithms as good we mus ... nning times of algorithms and data structure operations with space usa ... nning time of an algorithm or data structure operation increases with ... e algorithm on the same input data will be

smaller if the computer has

Rank: 6, Page: 211 ts that represent

the primary data characters in the case of strings

0 ... I advantages over referential structures in terms

of computing perform ... es in addition to the primary

data that is a referential structure wil ... om

puting is that the primary data are stored consecutively in memory ... is

often advantageous to have data stored in

memory near other data th ... a stored in

memory near other data that might be used in the same comp ... inef-ciencies of referential structures we will generally

be content ... the impact of memory usage on data structures and algorithms python pr ... mpact of memory usage on data structures and algorithms python provide

Rank: 7, Page: 648

142 data structures for graphs

627

142

data ... 142 data structures for graphs

627

142

data struc ... structures for graphs

627

142

data structures for graphs in this secti ... tures for graphs 627

data structures for graphs

in this section we ... his section we introduce four data structures for representing a graph ... ection we introduce four data structures for representing a graph in e ... y of the performance of these structures is given in table 141 we

give ... ve further explanation of the structures in the remainder of this sect ... ses on2 space while all other structures use onm space

Rank: 8, Page: 119 ectoriented programming class data members

a classlevel data member is ... ass data members

a classlevel data member is often used when there is ... e could de-ne

and use a class data member as follows

class predatorycr ... rlimit fee

return success

the data member overlimit fee is entered int ... book in the implementation of data structures this can be done by usin ... in the implementation of data structures this can be done by using a s ... ple we will later introduce a data structure known as a linked list an ... list we will

also introduce a data structure known as a tree that depe

Rank: 9, Page: 603

f textual information and new data is being

generated at a rapidly inc ... readily surpass a petabyte

of data which is equivalent to a thousand t ... s

furthermore there are large data sets such as dna that can be viewed ... yze and process large textual data sets in addition to having

interest ... f the massive size of textual data sets the issue of compression is

im ... xamine several specialpurpose data structures that can be used to bett ... e several specialpurpose data structures that can be used to better or ... ed to

better organize textual data in order to support more ef-cient r

.....

Rank: 10, Page: 726

must man

age extremely large data sets such applications include the ... and preferences the amount of data can be

so large that the overall pe ... performance of algorithms and data structures sometimes

depends more o ... rmance of algorithms and data structures sometimes depends more on the ... ore on the time to access the data than on the speed of the cpu

1521

m ... in order to accommodate large data sets computers have a hierarchy of ... arge but it is also very slow data stored

through an external network ... ng the

execution of a program data is routinely copied from one level

.....