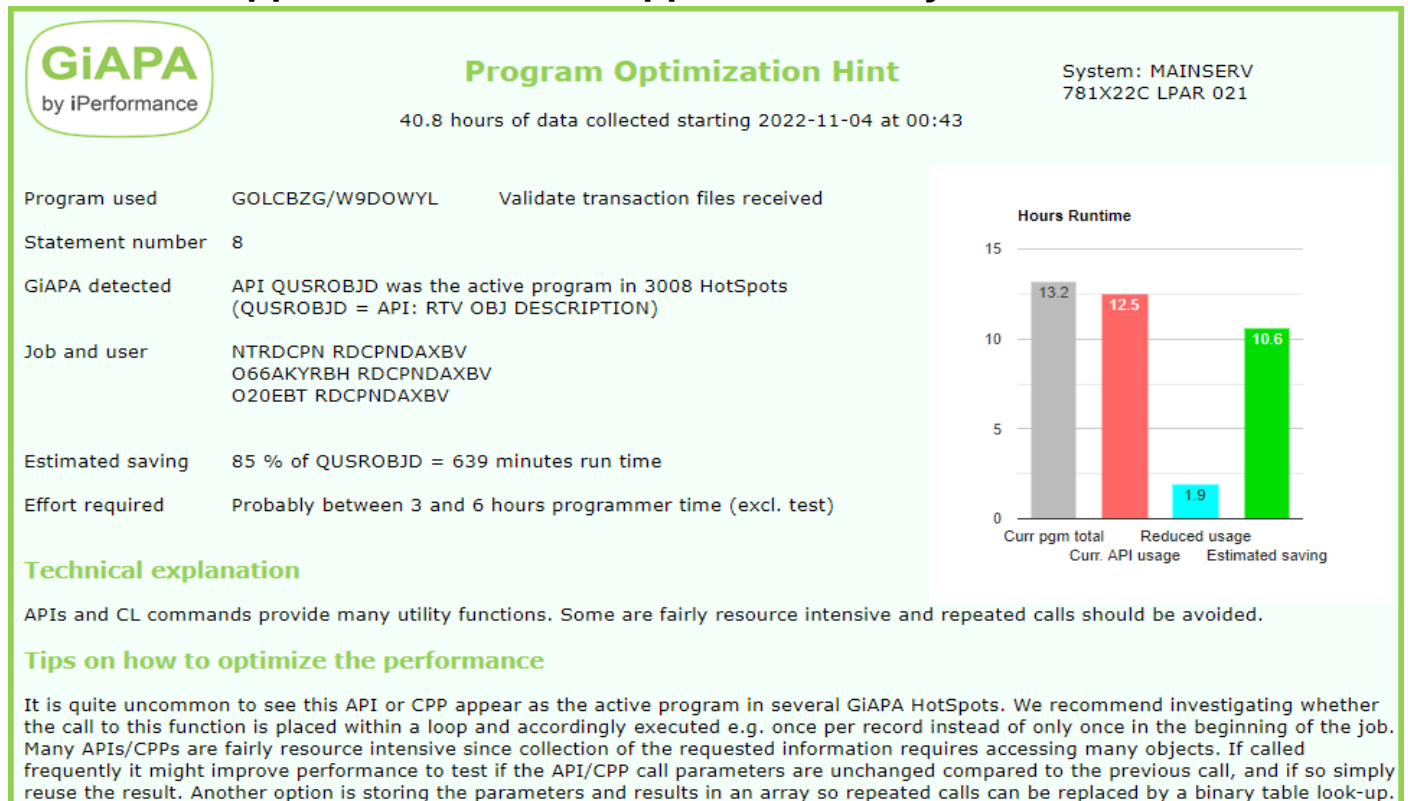
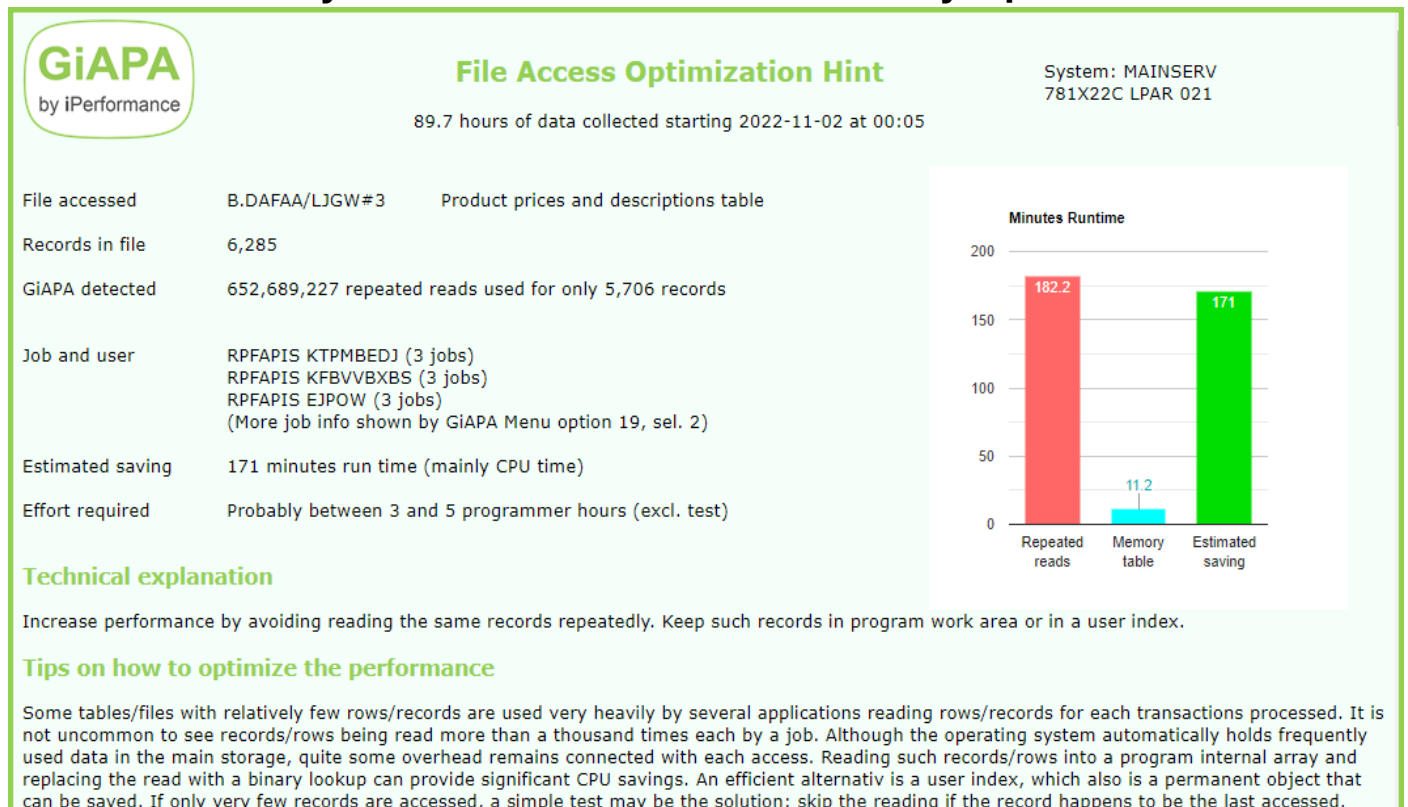


GiAPA's "Tripple-A", Automatic Application Analysis, Includes All Jobs



File Access Analyzed Across All Jobs Reveals Any Optimization Potential



Totals for Estimated Savings of Optimization Potential Found

Potential Savings Found by Automatic Analysis:

27 Improvements of program functions	2,435 Minutes
8 Improvements of File Access Methods	277 Minutes
*** Total Potential Run Time Savings	45 Hours 12 Minutes

Data collection uses minimal disk space:

Data is compressed 92%

SQL Observer: Plan Cache Data Collected and Pre-Analyzed for User Selected Jobs

GiAPA (c) by iPerformance

Plan Cache Snapshots of SQL Access Plan Data

24-03-22 09:54:58

Selections specified:

Job: TSTJOIN*

Start date/time: 24-03-21 00:00

User: *ALL

End date/time: 99-12-31 23:59

Job Name	User Name	JobNbr	Run Date	QRO(Hex)	Nbr of SQL stmts	SQL-Statement Library/SourceFile(Member)
TSTJOIN01	KAARE	126523	2024-03-21	A8D77AD7	2	SQL-stmt(s) from GIAPA_SQL/QRPGLSRC(TSTSQJ01R)

42 bytes: FETCH CURSOR1 INTO : H , : H , : H , : H

171 bytes: DECLARE CURSOR1 CURSOR FOR SELECT LNNAME , CSJNAM , CSJSTA , CSTSTA FROM GIAPALIB . GIAPA143P5 , GIAPALIB . GIAPA143P2 WHERE GIAPA143P5 . LNRRN = GIAPA143P2 . CSACTPCKEY

Dumps available, last 3 are shown

Text explaining Plan Cache "Access Plan Reason Code"

Number and names of Plan Cache records, indicating the Optimizer's "considerations" for selecting the access plan

PlanNbr	Table or member recreated.	1 AcPlan Rebuilt	1 Optim.Timeout	1 Generic Info	1 Tmp.HashTabCrt
2	Table Scan	1	AcPlan Rebuilt	1	Optim.Timeout

Alternative Access Plan(s) recorded for this QRO

2	Dumps	2024-03-21 01:09	GIAPA_SQL/QZG0001453	2024-03-21 00:28	GIAPA_SQL/QZG0001449
---	-------	------------------	----------------------	------------------	----------------------

PlanNbr 1806 Access plan was built to use a reusable Open Data Path (ODP) and optimizer chose a non-reusable ODP for this call

1	Index Used	3	Index Created	2	Temp. Table	1	Table Locked	1	AcPlan Rebuilt	1	Array HostVar	1	Generic Info
3	Distin.Process	2	Grouping	1	Recurs.TabExpr								

1 Dumps 2024-03-21 00:18 GIAPA_SQL/QZG0001448

PlanNbr 32551 None of the 25 defined specific reasons for choice of access method apply in this case.

2	Table Scan	1	AcPlan Rebuilt	1	Optim.Timeout	1	Generic Info	1	Tmp.HashTabCrt
---	------------	---	----------------	---	---------------	---	--------------	---	----------------

Please observe that the results shown here only are random examples of texts that may appear.

Enter=Go to top F2=Cmd Line F3=Exit F6=Show Current Users PageUp/PageDown

Shows Location of Snapshots Needed for Analysis Using IBM's SQL Performance Center

GiAPA (c) by iPerformance

Current User Names for Job QZDASOINIT QUSER

625018

24-01-05 11:50:38

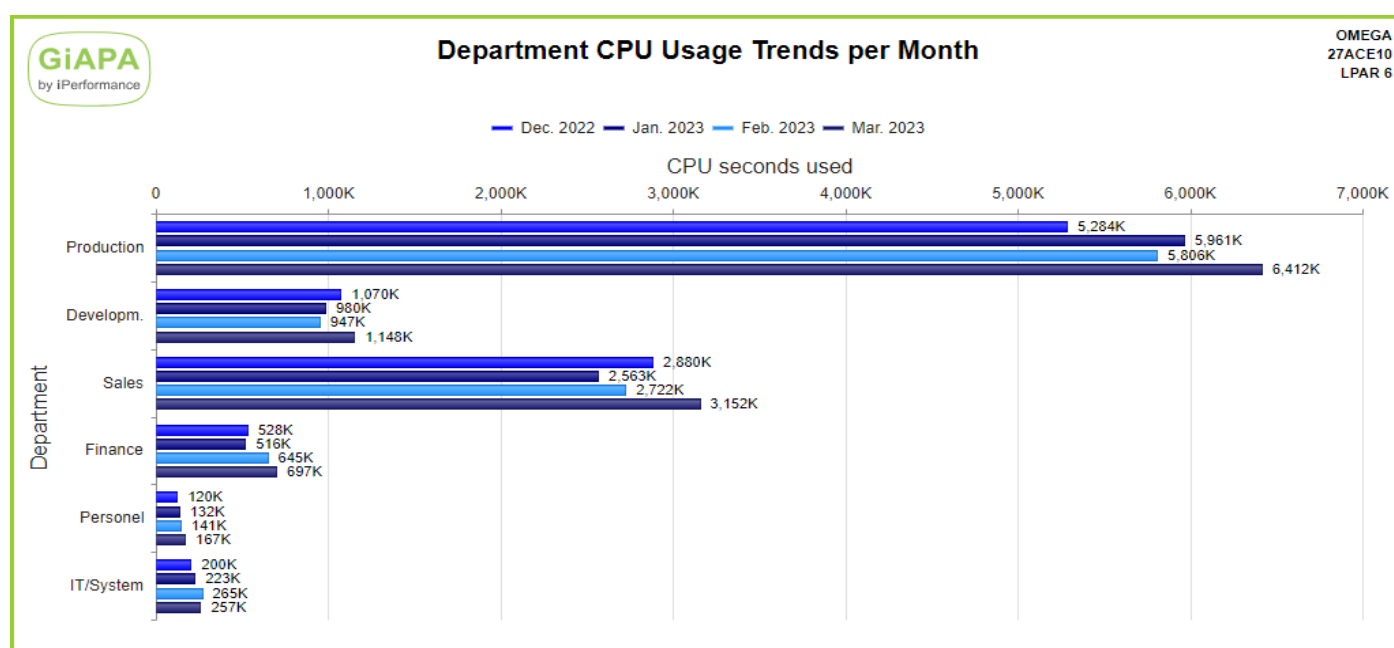
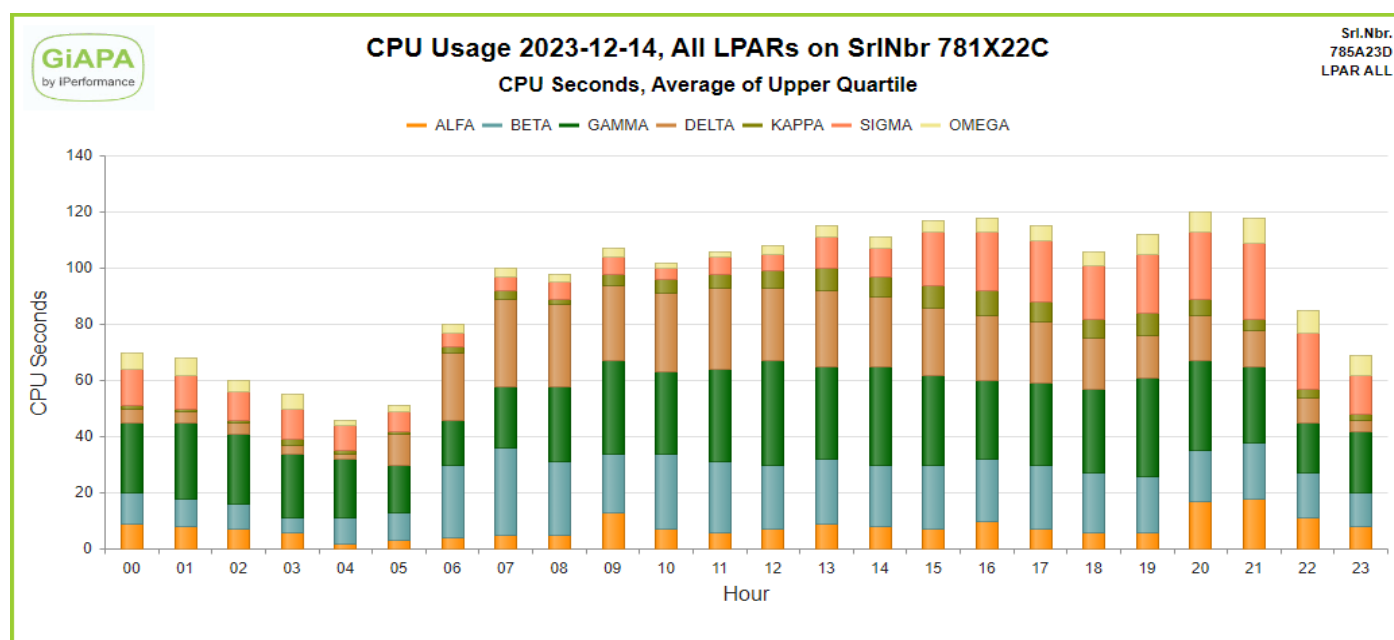
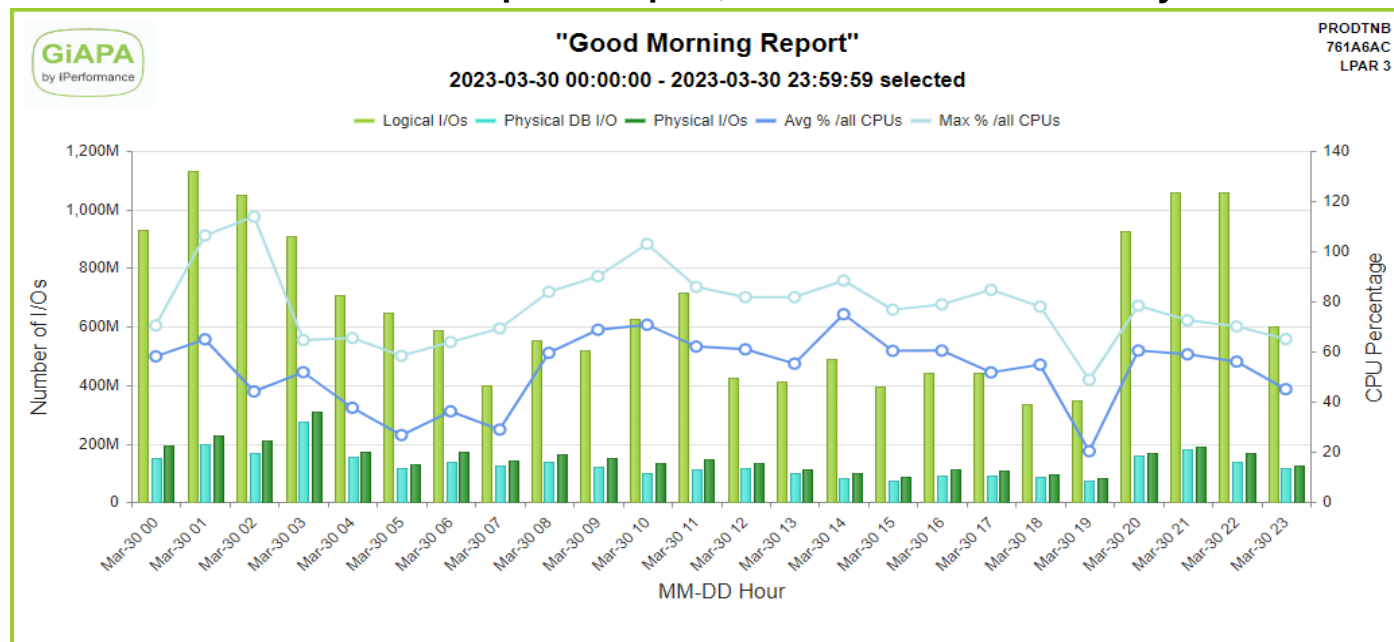
Date and Time	Current User	Date and Time	Current User	Date and Time	Current User	Date and Time	Current User
23-11-28 12:52:10	CASASALEX	23-11-28 12:48:30	DCCCADMIN	23-11-28 12:44:49	CASASALEX	23-11-28 12:41:08	CASASALEX
23-11-28 12:52:00	ALSLOGJDBC	23-11-28 12:48:20	DCCCADMIN	23-11-28 12:44:39	DCCCADMIN	23-11-28 12:40:58	CASASALEX
23-11-28 12:51:50	CASASALEX	23-11-28 12:48:10	CASASALEX	23-11-28 12:44:29	CASASALEX	23-11-28 12:40:48	ROBOKADM
23-11-28 12:51:40	DCCCADMIN	23-11-28 12:48:00	ROBOKADM	23-11-28 12:44:19	CASASALEX	23-11-28 12:40:38	CASASALEX
23-11-28 12:51:30	DCCCADMIN	23-11-28 12:47:49	CASASALEX	23-11-28 12:44:09	ALSLOGJDBC	23-11-28 12:40:28	APMPADMMDM
23-11-28 12:51:20	CASASALEX	23-11-28 12:47:39	ALSLOGJDBC	23-11-28 12:43:59	ALSLOGJDBC	23-11-28 12:40:18	CASASALEX
23-11-28 12:51:10	CASASALEX	23-11-28 12:47:29	ALSLOGJDBC	23-11-28 12:43:49	ALSLOGJDBC	23-11-28 12:40:08	ALSLOGJDBC
23-11-28 12:49:30	CASASALEX	23-11-28 12:45:49	CASASALEX	23-11-28 12:42:09	CASASALEX	23-11-28 12:38:28	DCCCADMIN
23-11-28 12:49:20	ALSLOGJDBC	23-11-28 12:45:39	APMPADMMDM	23-11-28 12:41:59	DCCCADMIN	23-11-28 12:38:18	DCCCADMIN
23-11-28 12:49:10	ALSLOGJDBC	23-11-28 12:45:29	CASASALEX	23-11-28 12:41:48	DCCCADMIN	23-11-28 12:38:08	DCCCADMIN
23-11-28 12:49:00	CASASALEX	23-11-28 12:45:19	ALSLOGJDBC	23-11-28 12:41:38	DCCCADMIN	23-11-28 12:37:58	CASASALEX
23-11-28 12:48:50	DCCCADMIN	23-11-28 12:45:09	ALSLOGJDBC	23-11-28 12:41:28	DCCCADMIN	23-11-28 12:37:48	CASASALEX
23-11-28 12:48:40	DCCCADMIN	23-11-28 12:44:59	ROBOKADM	23-11-28 12:41:18	DCCCADMIN	23-11-28 12:37:38	CASASALEX

Enter=Go to top F2=Cmd Line F3=Return PageUp/PageDown

Current User Names Are Valuable Information When Analyzing Data Base Host Server Jobs

GiAPA has much more to offer - please visit www.giapa.com to see [five-minute video](#), [technical presentation](#), [references](#), and [Free Trial](#)

Standard or User Defined Graph Examples, Generated and Emailed by Batch Jobs



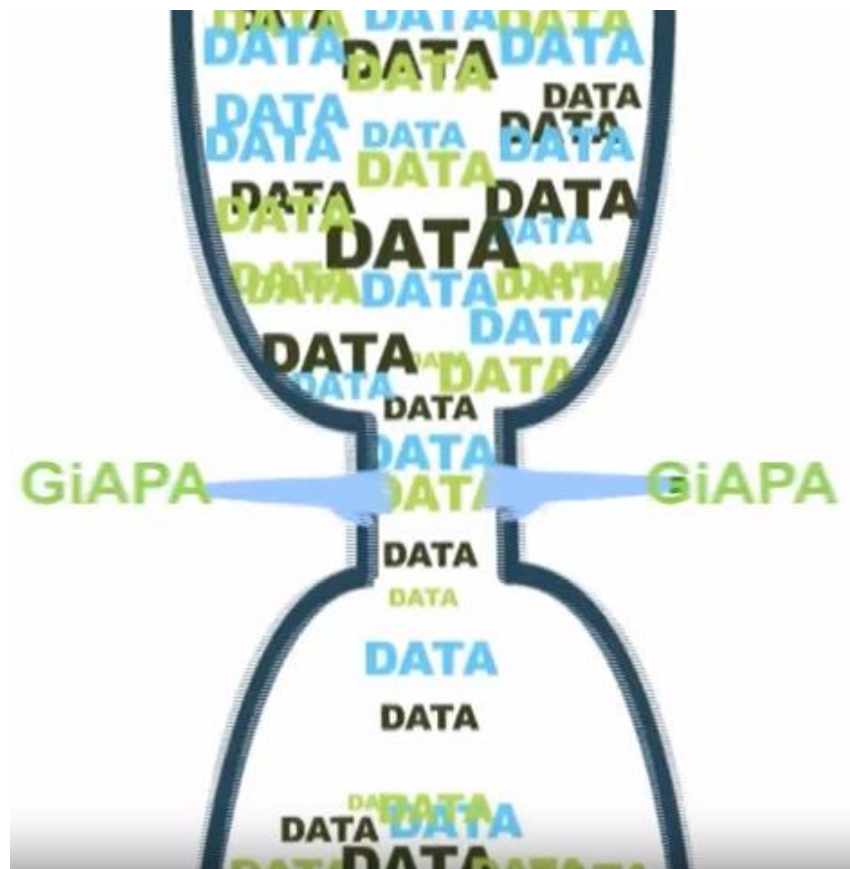
References: On <https://www.giapa.com> click on these fields - - -



- - - you will find a success story behind each of them!

GiAPA uses < 0.1 % CPU while collecting resource data for all jobs running – customers run GiAPA 24/7.

Analyzing all applications GiAPA will locate the bottlenecks and show modifications needed to improve performance.



GiAPA typically detects substantial saving potentials in applications believed to run efficiently, because programs producing the correct results within a reasonable time never were performance analyzed.