

Contents

- CHAPTER 1 **Performance, Efficiency, and Tuning**
Introduction
Performance and Efficiency Overview
The Tuning Cycle
Summary
- CHAPTER 2 **OS/390 Performance Metrics**
Introduction
Work That Runs on OS/390
Metrics
OS/390 Performance Metrics During Execution
Processing Statistics
Tradeoffs between the Metrics
Summary
- CHAPTER 3 **Sources of SAS System Performance Information**
Introduction
Processing Statistics within SAS
Processing Statistics in the OS/390 Job Log
Processing Statistics From Systems Sources
CONTENTS Procedure Performance Information
CATALOG Procedure Performance Information
OPTIONS Procedure Performance Information
Setting SAS System Options
SAS System Options That Affect Performance
The DSINFO Window
Tape Data Set Information
Summary
- CHAPTER 4 **How SAS Data Library Block Size Affects Performance**
Introduction
Structure of SAS Data Libraries
Blocks in SAS Data Libraries on DASD
Blocks in SAS Data Libraries on Tape
Controlling SAS Data Library Block Size
Summary

- CHAPTER 5 **SAS Data Set Performance Tools**
Introduction
Buffer Numbers
Buffer Size
Compression
The SASFILE Statement
Summary
- CHAPTER 6 **Indexes**
Introduction
The Structure of Indexes
Building Indexes
Centiles
Using Indexes to Improve Performance
Overriding Default Index Usage
Index Usage Messages
Avoiding the Loss of Indexes
Strategies for Exploiting Indexes
Summary
- CHAPTER 7 **Efficient Processing of Sequential Data Sets on DASD**
Introduction
Sequential Data Set Block Size
Controlling Block Size
Using the INPUT Statement Efficiently
Summary
- CHAPTER 8 **Efficient Processing of Tape Data Sets**
Introduction
Tape Data Set Block Size and Performance
Controlling Block Size
Optimizing Tape Processing
Summary
- CHAPTER 9 **Processing VSAM Data Sets**
Introduction
VSAM Data Set Structure
VSAM Accessing Modes
VSAM Buffers
Exploiting VSAM Buffers
Other VSAM Efficiency Tips
Summary

CHAPTER 10 **The Stored Program Facility**

Introduction

Using the Stored Program Facility

Improving Performance with the Stored Program Facility

Managing the Stored Program Facility

Summary

CHAPTER 11 **Exploiting Hiperspaces**

Introduction

OS/390 Memory Management Concepts and Hiperspaces

Central, Expanded and Auxiliary Storage Concepts

Implementing Hiperspaces

Hiperspace Strategies

Summary

CHAPTER 12 **OS/390 Environmental Factors Affecting Performance**

Introduction

Contention for Data Set Access

DASD Work Space Shortages

Input Queue Wait Time

Waiting for Higher Priority Tasks

Waiting for Tape Mounts

Recall of Archived Data Sets

Large Volumes of Concurrently Executing Tasks

Summary

Index