Preface

Sponsorship

Participants in the Review Process

Traffic Models and Characterisation

Validation and tuning of an MPEG-1 video model

Using maximum entropy principle for output burst characterization of an ATM switch

Using Markovian models to replicate real ATM traffics

Traffic and Congestion Control

A congestion control mechanism for connectionless services offered by ATM networks

ATM traffic prediction using FIR neural networks

Analysis, simulation and experimental verification of the throughput of GCRA based UPC functions for CBR streams

When is traffic dispersion useful? A study on equivalent capacity

Routing and Optimisation

A comparison of pre-planned routing techniques for virtual path restoration

Virtual path bandwidth control versus dynamic routing control

Adaptation Layer and Protocols

Some simulation results about TCP connections in ATM networks

Network Management

Feedback and pricing in ATM networks

Models of ATM Switches

Geometrical bounds of an output stream of a queue in a model of a two-stages interconnection network: application to the dimensioning problem

A diffusion cell loss estimate for ATM with multiclass bursty traffic

An integrated approach to evaluating the loss performance of ATM switches

Strictly nonblocking operation of 3-stage Clos switching networks

Performance analysis of buffered Banyan ATM switch architectures

Bandwidth and Admission Control

Markov chain animation technique applied to ATM bandwidth derivation and tandem switches

A scheme for multiplexing ATM sources

Shaping of video traffic to optimise QoS and network performance

Performance Modelling Studies

Study of the performance of an ATM CLOS switching network based on the composite technique

A study of the fairness of the fast reservation protocol

Efficient simulation of consecutive cell loss in ATM networks

On the accelerated simulation of VBR virtual channel multiplexing in a single-server first-in-first-out buffer

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