

# Contents

Abstract . . . . .	i
中文摘要 . . . . .	ii
<b>1 Introduction</b>	<b>1</b>
<b>2 A System Model</b>	<b>4</b>
<b>3 Markov Modulated Bernoulli Process of Arrivals of VBR Cells</b>	<b>8</b>
<b>4 Steady-State of ABR Cells at Buffer</b>	<b>12</b>
<b>5 Inter-Departure Time</b>	<b>26</b>
5.1 Idle Time Approximation . . . . .	26
5.2 Departure Processes of VBR . . . . .	27
5.3 Departure Processes of ABR . . . . .	28
<b>6 Simulation Results</b>	<b>32</b>
<b>7 Conclusions</b>	<b>37</b>

Appendix A	38
Appendix B	39
References	41