



UCL Department of Computer Science  
CS M038/GZ06: Mobile and Cloud Computing  
Spring 2016  
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One-pager: SampleRate (Bicket, 2005)

Due: Start of lecture, 27th January 2016

*Instructions: in your own words, answer the following questions as succinctly as possible (in 200–500 words total, but shorter answers within this range are encouraged). Quoting figures or text from the assigned reading or from any other source is specifically prohibited.*

In his Master's thesis, Bicket identifies a phenomenon he calls “throughput inversion.” Explain what throughput inversion is and why it happens.

He mentions that ARF gets stuck at 6 Mbps on links that exhibit throughput inversion. Referring to the specifics of the ARF algorithm, explain why this is.