Information Theory and Networks

Lecture 13: Limits of Stochastic Processes

Matthew Roughan
<matthew.roughan@adelaide.edu.au>
http://www.maths.adelaide.edu.au/matthew.roughan/
Lecture_notes/InformationTheory/

School of Mathematical Sciences,
University of Adelaide

September 18, 2013

Section 1

Limits of Stochastic Processes

something related to AEP, and zip
– weak and strong limits?
– nice examples

something related to AEP, and zip
– weak and strong limits?
– nice examples

Cover and Thomas AEP section
1.
2.

Cover and Thomas AEP section
1.
2.

Something to show up Huffman encoding
– dictionary length as a function of block size
– compare efficifiency and dictionary size
– then add in the dictionary to the encodign

Something to show up Huffman encoding
– dictionary length as a function of block size
– compare efficifiency and dictionary size
– then add in the dictionary to the encodign

Problems

Shannon-Fano-Elias
Arithemtic

Problems

Shannon-Fano-Elias
Arithemtic

Further reading I