

# MysteryTwister C3

THE CRYPTO CHALLENGE CONTEST

## ORYX STREAM CIPHER – PART 2

Author: Mark Stamp

July 2010

# Challenge

The following keystream of the ORYX Stream Cipher was generated using the identity as L-Permutation.  
Recover the 96-Bit key, which consists of the initial filling of the 3 LFSRs X, A, B used within the ORYX cipher.  
The wanted password are the 3 fillings in hexadecimal written as one word, e.g.: X||A||B.

The keystream is contained in the zip-archive of the challenge, the filename is out\_ORYX2.txt, as well as the sourcecode, filename ORYX\_code.zip

Hint: Pay attention to the hints given in Part I and find a unique(!) solution!