The Superworm Manifesto
by Brandon Wiley

BlackHat USA 2003
Worms to be Discussed

Code Red
Nimda
Sapphire/Slammer
Slapper A,B,C
Stumbler/55808
Warhol
Flash
Curious Yellow
Name: Chord
Function: clockwise ring distance

Link: http://www.pdos.lcs.mit.edu/chord/
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Link: http://www.pdos.lcs.mit.edu/chord/
Name: Kademlia
Function: XOR
Link: http://kademlia.scs.cs.nyu.edu/
Name: Kademlia
Function: XOR

Link: http://kademia.scs.cs.nyu.edu/
Name: Koorde
Function:
- Bitshift the id one to the left
- This is the first neighbor's id
- Flip the right-most bit to 1
- This is the second neighbor

Link: http://iptps03.cs.berkeley.edu/final-papers/koorde.ps
Name: Koorde

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Link: http://iptps03.cs.berkeley.edu-final-papers/koorde.ps
Name: Pollen

Function:
Nodes have a level $L$
First node, $L = \log N$
Node has $L$ edges
Edges have level $e$
From 1 to $L$
Ordered by Chord length $L = L - e$

There are $L$ levels.
The first node has $L$ edges.

Link: unpublished
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Curious Yellow
http://blanu.net/curious_yellow.html