IOT & TELECOMS

TETRYS: make the internet faster

Real-time data transfers, such as video streaming or multi-player online gaming, are severely impacted by poor network conditions caused by congestion or losses on wireless links.

DESCRIPTION*

- Tetrys is a reliability algorithm which improves time constrained data transfer between a server and its client(s), e.g.:
  - Better video streaming quality on a smartphone
  - Less latency: better multi-player online gaming experience
- Based on a new “on-the-fly encoding erasure concept”
- Benchmarked as world #1 performance
- Supports partially or fully reliable delivery of content
- Algorithm adjusts itself to network conditions
- Compatible with UDP/TCP. Implementation possible at different layers of a network stack
- Only server and client(s) are impacted

Photo: © apops – Fotolia.com

TECHNICAL SPECIFICATIONS

Data recovery	Up to full recovery
Compatible protocols	UDP, TCP, others
Target	ARM, MIPS, others
OS	Linux, Android, others
CPU, ROM/RAM	Low requirements

*Technology requiring licence rights.

TOULOUSE TECH TRANSFER

COMPETITIVE ADVANTAGES

- World #1 performance
- Up to full data recovery
- Compatible with TCP
- Easy integration

APPLICATIONS

- Content Delivery Networks
- Distributed cloud/storage/applications
- Video streaming/broadcast
- Multi-player online gaming
- Wireless networks
- Internet providers
- Ground-onboard communications…

INTELLECTUAL PROPERTY

- Software

DEVELOPMENT STAGE

- Prototype tested in operational environment

1	2	3	4	5	6	**7**	8	9

LABORATORY

- DISC team

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