

Framework for Metric Composition + Spatial Composition of Metrics

Al Morton + many others

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draft-ietf-ippm-framework-compagg-08.txt

Overall Framework
(includes common
concepts and
definitions)

draft-ietf-ippm-spatial-composition-09

Temporal
Aggregation
Draft

Spatial
Aggregation
Draft

Spatial
Composition
Draft

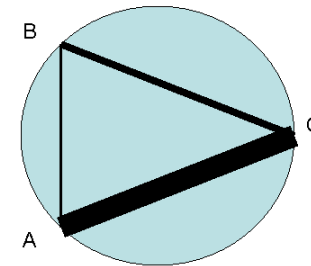
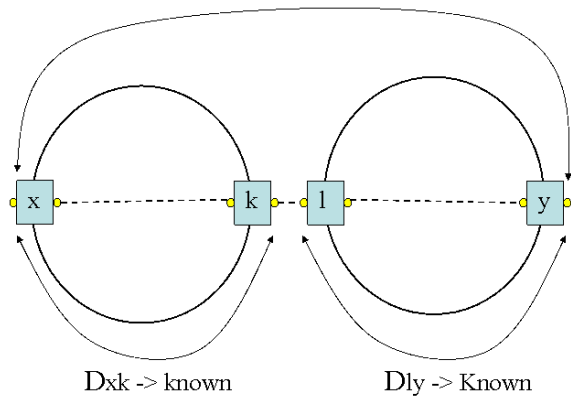
... and
maybe
others

Types of Composition

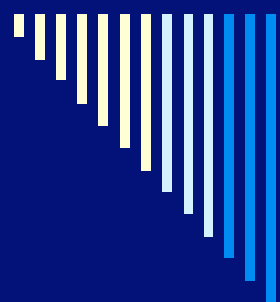
- Complete/Sub-Path (or Concatenation in Space)

- Aggregation in Time (12x5min stats ->1hr)
- Aggregat. in Space

D_{xy} (not known) $\approx D_{xk} + D_{ly} ???$

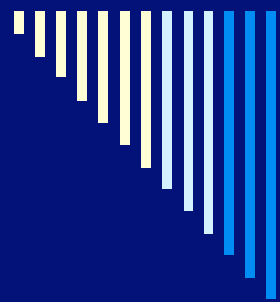


	Delay	Load
A-B	24.5 ms	1 Gbit/s
B-C	7.8 ms	3 Gbit/s
A-C	4 ms	9 Gbit/s
Domain	$1/13 * 24.5 + 3/13 * 7.8 + 9/13 * 4 = 6.4$ ms	13 Gbit/s



Changes/Status Framework 08

- Yaakov Stein's comments were forgotten in version 07, but this was revealed at the last meeting.
- Yaakov's comments on the Spatial Draft affected the Framework in several areas:
 - Definition of Sub-path was clarified
 - Deviation from Ground Truth – scope differences section uses “sub-path” term instead of end-to-end
 - Security Section augmented with schema concerns



Status: Spatial Composition 09, Yaakov's comments

- All metric sections use the same outline
- Noted that de-composition of a single sub-path is possible when Complete measurement is available, but OOScope
- Resolved re-use of indexes m,n,&s (s4)
- Added examples of parallel paths and mentioned re-routing as a common source of deviation from Ground Truth
- Added 2 common cases where conjecture might FAIL: packet encap=size change & fragmentation
- NEXT STEPS:
 - A few minor revs already for version 10
 - More volunteer Readers and/or WGLC...