**缓存分配实际测试方案**

**1实验目的**

实际测试不同传输模式下，完成每个内容下载的下载速率测试。

根据不同的缓存方案，利用实际测试的下载速率计算下载完每一个内容所需时延。

**2实验场景**

如图所示，准备视频内容数据集（8968-9790KB）（共50个AVI文件）

实验共有3台车辆（OBU）V1,V2,V3，其中V2,V3在一个集群内。

缓存能力：车辆缓存能力5，RSU缓存能力10

缓存方案（CBG）

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 内容（ID） | V1 | V2 | V3 | RSU1 | RSU2 |
| 1 | 1 | 1 |  |  |  |
| 2 | 1 | 1 |  |  |  |
| 3 | 1 | 1 |  |  |  |
| 4 | 1 | 1 |  |  |  |
| 5 | 1 | 1 |  |  |  |
| 6 |  |  |  | 1 |  |
| 7 |  |  |  | 1 |  |
| 8 |  |  |  | 1 |  |
| 9 |  |  |  | 1 |  |
| 10 |  |  |  | 1 |  |
| 11 |  |  |  | 1 |  |
| 12 |  |  |  | 1 |  |
| 13 |  |  |  | 1 |  |
| 14 |  |  |  | 1 |  |
| 15 |  |  |  | 1 |  |
| 16 |  |  |  |  | 1 |
| 17 |  |  |  |  | 1 |
| 18 |  |  |  |  | 1 |
| 19 |  |  |  |  | 1 |
| 20 |  |  |  |  | 1 |
| 21 |  |  |  |  | 1 |
| 22 |  |  |  |  | 1 |
| 23 |  |  |  |  | 1 |
| 24 |  |  |  |  | 1 |
| 25 |  |  |  |  | 1 |
| 26 |  |  | 1 |  |  |
| 27 |  |  | 1 |  |  |
| 28 |  |  | 1 |  |  |
| 29 |  |  | 1 |  |  |
| 30 |  |  | 1 |  |  |
| … |  |  |  |  |  |

测试不同传输模式下实际内容传输的下载速率（根据此表计算不同缓存方案的内容传输时延）

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 内容（ID） | 内容大小（KB） | V2V | V2R | V2RC | V2P |
| 1 | 8968 |  |  |  |  |
| 2 | 8973 |  |  |  |  |
| 3 | 9045 |  |  |  |  |
| 4 | 9046 |  |  |  |  |
| 5 | 9063 |  |  |  |  |
| 6 | 9067 |  |  |  |  |
| 7 | 9068 |  |  |  |  |
| 8 | 9075 |  |  |  |  |
| 9 | 9087 |  |  |  |  |
| 10 | 9155 |  |  |  |  |
| 11 | 9157 |  |  |  |  |
| 12 | 9172 |  |  |  |  |
| 13 | 9178 |  |  |  |  |
| 14 | 9189 |  |  |  |  |
| 15 | 9198 |  |  |  |  |
| 16 | 9215 |  |  |  |  |
| 17 | 9218 |  |  |  |  |
| 18 | 9234 |  |  |  |  |
| 19 | 9243 |  |  |  |  |
| 20 | 9285 |  |  |  |  |
| 21 | 9344 |  |  |  |  |
| 22 | 9345 |  |  |  |  |
| 23 | 9367 |  |  |  |  |
| 24 | 9402 |  |  |  |  |
| 25 | 9411 |  |  |  |  |
| 26 | 9426 |  |  |  |  |
| 27 | 9439 |  |  |  |  |
| 28 | 9451 |  |  |  |  |
| 29 | 9473 |  |  |  |  |
| 30 | 9486 |  |  |  |  |
| 31 | 9494 |  |  |  |  |
| 32 | 9505 |  |  |  |  |
| 33 | 9530 |  |  |  |  |
| 34 | 9550 |  |  |  |  |
| 35 | 9571 |  |  |  |  |
| 36 | 9578 |  |  |  |  |
| 37 | 9583 |  |  |  |  |
| 38 | 9591 |  |  |  |  |
| 39 | 9611 |  |  |  |  |
| 40 | 9611 |  |  |  |  |
| 41 | 9644 |  |  |  |  |
| 42 | 9651 |  |  |  |  |
| 43 | 9657 |  |  |  |  |
| 44 | 9677 |  |  |  |  |
| 45 | 9684 |  |  |  |  |
| 46 | 9689 |  |  |  |  |
| 47 | 9704 |  |  |  |  |
| 48 | 9711 |  |  |  |  |
| 49 | 9758 |  |  |  |  |
| 50 | 9790 |  |  |  |  |

