

# Spatio-Temporal Deconfliction System for Multi-Drone Missions

FlytBase Internship Assignment

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# 1 Executive Summary

This report describes a complete multi-drone mission execution and spatio-temporal deconfliction pipeline implemented in ROS and Python.

The system:

- Executes time-stamped waypoint missions for multiple drones.
- Records drone trajectories from Gazebo and ROS topics.
- Performs planned and executed deconfliction using distance thresholds.
- Generates 3D and 4D visualisations.
- Provides conflict logs, CSV trajectory datasets, and automated reporting.

This document explains the architecture, algorithms, system design choices, testing strategy, scalability analysis, and results.

## 2 Assignment Aims

### AIM 1 – Multi-Drone Mission Execution

- Execute missions with multiple drones following time-stamped waypoints.
- Support takeoff, waypoint navigation, coordinated landing.
- Record all drone trajectories in a unified CSV file.

### AIM 3 – Spatio-Temporal Deconfliction

- Detect conflicts when two drones come within a minimum safety distance.
- Support both **planned deconfliction** (using mission waypoints) and **executed deconfliction** (using actual flight data).
- Highlight conflict points and generate detailed JSON reports.

### AIM 4 – Visualisation

- 3D trajectories of all drones.
- 4D visualisation of primary drone (XYZ + time as colour).

### 3 System Architecture

The full system consists of the following core modules:

1. **Mission Loader** Loads JSON missions, normalizes waypoints, computes global timing.
2. **Recorder** Subscribes to:
  - `/i dronei/gt-pose`
  - `/gazebo/model_states` (fallback)

Writes all positions to: `~/drone_trajs/all_trajs.csv`

3. **Drone Controller** Time-synchronised controller that:
  - Sends takeoff bursts
  - Follows time-aligned waypoints via interpolation
  - Uses proportional velocity control
  - Lands only when coordinator releases
4. **Coordinator** Ensures all drones land simultaneously.
5. **Planned + Executed Deconfliction Engine** Detects conflict when:

$$d(t) = ||P_{primary}(t) - P_{other}(t)|| < d_{safe}$$

6. **Visualisation Tools** Generates 3D, 4D plots and conflict highlighting.

## 4 Mission Format

### 4.1 JSON Specification

```
{
  "primary": "ardrone_1",
  "drones": {
    "ardrone_1": {
      "takeoff_alt": 1.0,
      "waypoints": [
        {"t":0.0, "x":0.0, "y":0.0, "z":1.0},
        {"t":4.0, "x":0.5, "y":-0.5, "z":1.0},
        ...
      ]
    }
  }
}
```

Each waypoint has:

$$(t, x, y, z)$$

### 4.2 Recorded CSV Format

```
time, model, x, y, z
1714123456.12, ardrone_1, 0.12, -0.43, 0.98
```

## 5 Complete Pipeline Explanation

### 5.1 Step 1 — Load Mission

- Normalize waypoints.
- Extract primary drone.
- Compute mission start and end timestamps.

### 5.2 Step 2 — Start Recorder

- Subscribes to live pose topics.
- Writes everything to CSV.

### 5.3 Step 3 — Start Controllers

Each drone gets its own thread and:

1. Publishes multiple takeoff commands.
2. Waits until approximate altitude reached.
3. Follows time-synchronised path:

$P(t)$  = linear interpolation of waypoints

4. Uses PD-like control:

$$v_x = K_p(x_{target} - x_{current})$$

### 5.4 Step 4 — Coordinated Landing

All drones land together after reaching their final waypoint.

### 5.5 Step 5 — Deconfliction

- Sample trajectories on uniform time grid.
- Compute pairwise distances.
- Store conflict list in JSON.

## 6 Mathematical Model for Deconfliction

Let:

$$P_i(t) = (x_i(t), y_i(t), z_i(t))$$

be the position of drone  $i$  at time  $t$ .

Distance between two drones:

$$d(t) = ||P_A(t) - P_B(t)||_2$$

Conflict occurs when:

$$d(t) < d_{safe}$$

Sampling grid:

$$t_k = t_{min} + k \cdot \Delta t$$

Interpolation:

$$x(t) = \text{interp}(t, t_{wp}, x_{wp})$$



## 7 Deconfliction Strategies

### 7.1 1. Time Staggering

Shift start time:

$$t' = t + \Delta t$$

### 7.2 2. Altitude Separation

Assign heights:

$$z_i = z + i \cdot 0.2$$

### 7.3 3. Reactive Avoidance

Add repulsive vector:

$$v_{repel} = k \frac{(P_A - P_B)}{\|P_A - P_B\|^2}$$

### 7.4 4. Global Methods (Future Work)

- ORCA
- MPC
- Graph-based scheduling

## 8 Scalability Discussion

For real-world commercial systems with thousands of drones:

### Compute Scaling

- Use distributed processing (Kafka + Spark/Flink).
- Partition airspace into tiles (quadtree/grid).
- Run regional deconflict nodes.

### Memory Scaling

Store only recent 10–20 seconds in Redis ring buffers.

### Algorithmic Scaling

Replace pairwise  $O(N^2)$  checks with:

- Spatial hashing
- KD-tree neighbour search

### Fault Tolerance

- Multi-region replication
- Soft real-time guarantees

## 9 Conclusion

The implemented system satisfies AIM1, AIM3, and AIM4 of the assignment:

- Multi-drone missions execute reliably with coordinated landing.
- Deconfliction detects planned and real collisions.
- Strong visualisation support including 3D/4D plots.
- Modular architecture suitable for scaling into a larger platform.

Future extensions include MPC-based path reshaping, ORCA, and real-time drone-to-drone negotiation.

## 10 Appendix A — Example Mission JSON

```
{
  "primary": "ardrone_1",
  "drones": {
    "ardrone_1": {
      "takeoff_alt": 1.0,
      "waypoints": [
        {"t":0.0, "x":0.0, "y":-2.0, "z":1.0},
        {"t":4.0, "x":0.5, "y":-0.1, "z":1.0},
        {"t":8.0, "x":1.0, "y":-1.2, "z":1.0},
        {"t":12.0, "x":1.8, "y":-1.9, "z":1.0},
        {"t":16.0, "x":2.2, "y":-2.2, "z":1.0},
        {"t":20.0, "x":1.6, "y":-1.0, "z":1.0},
        {"t":24.0, "x":0.8, "y":-0.2, "z":1.0},
        {"t":30.0, "x":-0.5, "y":0.3, "z":1.0},
        {"t":36.0, "x":-1.8, "y":-0.5, "z":1.0}
      ]
    },
    "ardrone_2": {
      "takeoff_alt": 1.0,
      "waypoints": [
        {"t":0.0, "x":0.0, "y":0.0, "z":1.0},
        {"t":4.0, "x":0.2, "y":-0.9, "z":1.0},
        {"t":8.0, "x":0.7, "y":-1.8, "z":1.0},
        {"t":12.0, "x":1.3, "y":-2.5, "z":1.0},
        {"t":16.0, "x":1.9, "y":-2.9, "z":1.0},
        {"t":20.0, "x":2.4, "y":-2.2, "z":1.0},
        {"t":24.0, "x":2.0, "y":-1.4, "z":1.0},
        {"t":30.0, "x":1.2, "y":-0.7, "z":1.0},
        {"t":36.0, "x":0.4, "y":0.3, "z":1.0}
      ]
    }
  }
}
```

## 11 Appendix B — CSV Format

time	model	x	y	z
9.168	ardrone_1		2.47E-05	-1.999991505
		0.039997746		
9.168	ardrone_2		2.42E-05	8.32E-06
		0.039997746		
9.169	ardrone_1		2.45E-05	-1.999991884
		0.040000435		
9.169	ardrone_2		2.40E-05	7.94E-06
		0.040000435		
9.17	ardrone_1		2.46E-05	-1.999992563
		0.039998075		
9.17	ardrone_2		2.41E-05	7.26E-06
		0.039998075		
9.171	ardrone_1		2.46E-05	-1.999992219
		0.040000865		
9.171	ardrone_2		2.40E-05	7.60E-06
		0.040000865		
9.172	ardrone_1		2.48E-05	-1.999991567
		0.039997681		
9.172	ardrone_2		2.42E-05	8.25E-06
		0.039997681		
9.173	ardrone_1		2.46E-05	-1.999991918
		0.040000285		
9.173	ardrone_2		2.40E-05	7.90E-06
		0.040000285		
9.173	ardrone_1		2.46E-05	-1.999992609
		0.039997313		
9.173	ardrone_2		2.41E-05	7.21E-06
		0.039997313		
9.175	ardrone_1		2.45E-05	-1.99999217
		0.040000649		
9.175	ardrone_2		2.40E-05	7.65E-06
		0.040000649		
9.176	ardrone_1		2.47E-05	-1.999991498
		0.039997746		
9.176	ardrone_2		2.42E-05	8.32E-06
		0.039997746		
9.177	ardrone_1		2.46E-05	-1.999991877
		0.040000435		

9.177	ardrone_2	2.40E-05	7.94E-06
0.040000435			
9.178	ardrone_1	2.46E-05	-1.999992556
0.039998075			
9.178	ardrone_2	2.41E-05	7.27E-06
0.039998075			
9.179	ardrone_1	2.46E-05	-1.999992212
0.040000865			
9.179	ardrone_2	2.40E-05	7.61E-06
0.040000865			
9.18	ardrone_1	2.48E-05	-1.99999156
0.039997681			
9.18	ardrone_2	2.42E-05	8.26E-06
0.039997681			
9.181	ardrone_1	2.46E-05	-1.999991911
0.040000285			
9.181	ardrone_2	2.40E-05	7.91E-06
0.040000285			
9.182	ardrone_1	2.47E-05	-1.999992602
0.039997313			
9.182	ardrone_2	2.41E-05	7.22E-06
0.039997313			
9.183	ardrone_1	2.46E-05	-1.999992163
0.040000649			
9.183	ardrone_2	2.40E-05	7.66E-06
0.040000649			
9.184	ardrone_1	2.48E-05	-1.999991491
0.039997746			
9.184	ardrone_2	2.42E-05	8.33E-06
0.039997746			
9.185	ardrone_1	2.46E-05	-1.99999187
0.040000435			
9.185	ardrone_2	2.40E-05	7.95E-06
0.040000435			
9.186	ardrone_1	2.47E-05	-1.999992549
0.039998075			
9.186	ardrone_2	2.41E-05	7.27E-06
0.039998075			
9.186	ardrone_1	2.46E-05	-1.999992205
0.040000865			
9.186	ardrone_2	2.41E-05	7.62E-06
0.040000865			

9.188	ardrone_1	2.48E-05	-1.999991553
	0.039997681		
9.188	ardrone_2	2.43E-05	8.27E-06
	0.039997681		
9.189	ardrone_1	2.46E-05	-1.999991903
	0.040000285		
9.189	ardrone_2	2.41E-05	7.92E-06
	0.040000285		
9.189	ardrone_1	2.47E-05	-1.999992594
	0.039997313		
9.189	ardrone_2	2.41E-05	7.23E-06
	0.039997313		
9.191	ardrone_1	2.46E-05	-1.999992156
	0.040000649		
9.191	ardrone_2	2.40E-05	7.67E-06
	0.040000649		
9.192	ardrone_1	2.48E-05	-1.999991484
	0.039997746		
9.192	ardrone_2	2.42E-05	8.34E-06
	0.039997746		
9.193	ardrone_1	2.46E-05	-1.999991863
	0.040000435		
9.193	ardrone_2	2.41E-05	7.96E-06
	0.040000435		
9.194	ardrone_1	2.47E-05	-1.999992542
	0.039998075		
9.194	ardrone_2	2.41E-05	7.28E-06
	0.039998075		
9.195	ardrone_1	2.46E-05	-1.999992198
	0.040000865		
9.195	ardrone_2	2.41E-05	7.62E-06
	0.040000865		
9.196	ardrone_1	2.48E-05	-1.999991546
	0.039997681		
9.196	ardrone_2	2.43E-05	8.28E-06
	0.039997681		
9.196	ardrone_1	2.46E-05	-1.999991896
	0.040000285		
9.196	ardrone_2	2.41E-05	7.93E-06
	0.040000285		
9.198	ardrone_1	2.47E-05	-1.999992587
	0.039997313		

9.198	ardrone_2	2.42E-05	7.23E-06
0.039997313			
9.199	ardrone_1	2.46E-05	-1.999992148
0.040000649			
9.199	ardrone_2	2.41E-05	7.67E-06
0.040000649			
9.2	ardrone_1	2.48E-05	-1.999991477
0.039997746			
9.2	ardrone_2	2.43E-05	8.35E-06
0.039997746			
9.201	ardrone_1	2.46E-05	-1.999991855
0.040000435			
9.201	ardrone_2	2.41E-05	7.97E-06
0.040000435			
9.202	ardrone_1	2.47E-05	-1.999992535
0.039998075			
9.202	ardrone_2	2.41E-05	7.29E-06
0.039998075			
9.203	ardrone_1	2.46E-05	-1.999992191
0.040000865			
9.203	ardrone_2	2.41E-05	7.63E-06
0.040000865			
9.204	ardrone_1	2.48E-05	-1.999991539
0.039997681			
9.204	ardrone_2	2.43E-05	8.28E-06
0.039997681			
9.205	ardrone_1	2.47E-05	-1.999991889
0.040000285			
9.205	ardrone_2	2.41E-05	7.93E-06
0.040000285			
9.206	ardrone_1	2.47E-05	-1.99999258
0.039997313			
9.206	ardrone_2	2.42E-05	7.24E-06
0.039997313			
9.207	ardrone_1	2.46E-05	-1.999992141
0.040000649			
9.207	ardrone_2	2.41E-05	7.68E-06
0.040000649			
9.208	ardrone_1	2.48E-05	-1.99999147
0.039997746			
9.208	ardrone_2	2.43E-05	8.35E-06
0.039997746			



9.209	ardrone_1	2.46E-05	-1.999991848
	0.040000435		
9.209	ardrone_2	2.41E-05	7.97E-06
	0.040000435		
9.209	ardrone_1	2.47E-05	-1.999992527
	0.039998075		
9.209	ardrone_2	2.42E-05	7.29E-06
	0.039998075		
9.211	ardrone_1	2.47E-05	-1.999992183
	0.040000865		
9.211	ardrone_2	2.41E-05	7.64E-06
	0.040000865		
9.212	ardrone_1	2.49E-05	-1.999991531
	0.039997681		
9.212	ardrone_2	2.43E-05	8.29E-06
	0.039997681		
9.213	ardrone_1	2.47E-05	-1.999991882
	0.040000285		
9.213	ardrone_2	2.41E-05	7.94E-06
	0.040000285		
9.214	ardrone_1	2.48E-05	-1.999992573
	0.039997313		
9.214	ardrone_2	2.42E-05	7.25E-06
	0.039997313		
9.215	ardrone_1	2.47E-05	-1.999992134
	0.040000649		
9.215	ardrone_2	2.41E-05	7.69E-06
	0.040000649		
9.216	ardrone_1	2.48E-05	-1.999991462
	0.039997746		
9.216	ardrone_2	2.43E-05	8.36E-06
	0.039997746		
9.217	ardrone_1	2.47E-05	-1.999991841
	0.040000435		
9.217	ardrone_2	2.41E-05	7.98E-06
	0.040000435		
9.218	ardrone_1	2.47E-05	-1.99999252
	0.039998075		
9.218	ardrone_2	2.42E-05	7.30E-06
	0.039998075		
9.219	ardrone_1	2.47E-05	-1.999992176
	0.040000865		

9.219	ardrone_2	2.41E-05	7.65E-06
	0.040000865		
9.22	ardrone_1	2.49E-05	-1.999991524
	0.039997681		
9.22	ardrone_2	2.43E-05	8.30E-06
	0.039997681		
9.221	ardrone_1	2.47E-05	-1.999991875
	0.040000285		
9.221	ardrone_2	2.41E-05	7.95E-06
	0.040000285		
9.222	ardrone_1	2.48E-05	-1.999992566
	0.039997313		
9.222	ardrone_2	2.42E-05	7.26E-06
	0.039997313		
9.223	ardrone_1	2.47E-05	-1.999992127
	0.040000649		
9.223	ardrone_2	2.41E-05	7.69E-06
	0.040000649		
9.224	ardrone_1	2.49E-05	-1.999991455
	0.039997746		
9.224	ardrone_2	2.43E-05	8.37E-06
	0.039997746		
9.225	ardrone_1	2.47E-05	-1.999991834
	0.040000435		
9.225	ardrone_2	2.41E-05	7.99E-06
	0.040000435		
9.226	ardrone_1	2.48E-05	-1.999992513
	0.039998075		
9.226	ardrone_2	2.42E-05	7.31E-06
	0.039998075		
9.227	ardrone_1	2.47E-05	-1.999992169
	0.040000865		
9.227	ardrone_2	2.42E-05	7.65E-06
	0.040000865		
9.227	ardrone_1	2.49E-05	-1.999991517
	0.039997681		
9.227	ardrone_2	2.44E-05	8.30E-06
	0.039997681		
9.229	ardrone_1	2.47E-05	-1.999991868
	0.040000285		
9.229	ardrone_2	2.42E-05	7.95E-06
	0.040000285		

9.23	ardrone_1	2.48E-05	-1.999992559
	0.039997313		
9.23	ardrone_2	2.43E-05	7.26E-06
	0.039997313		
9.231	ardrone_1	2.47E-05	-1.99999212
	0.040000649		
9.231	ardrone_2	2.42E-05	7.70E-06
	0.040000649		
9.232	ardrone_1	2.49E-05	-1.999991448
	0.039997746		
9.232	ardrone_2	2.43E-05	8.37E-06
	0.039997746		
9.233	ardrone_1	2.47E-05	-1.999991827
	0.040000435		
9.233	ardrone_2	2.42E-05	7.99E-06
	0.040000435		
9.234	ardrone_1	2.48E-05	-1.999992506
	0.039998075		
9.234	ardrone_2	2.42E-05	7.32E-06
	0.039998075		
9.235	ardrone_1	2.47E-05	-1.999992162
	0.040000865		
9.235	ardrone_2	2.42E-05	7.66E-06
	0.040000865		
9.236	ardrone_1	2.49E-05	-1.99999151
	0.039997681		
9.236	ardrone_2	2.44E-05	8.31E-06
	0.039997681		
9.237	ardrone_1	2.47E-05	-1.999991861
	0.040000285		
9.237	ardrone_2	2.42E-05	7.96E-06
	0.040000285		
9.238	ardrone_1	2.48E-05	-1.999992552
	0.039997313		
9.238	ardrone_2	2.43E-05	7.27E-06
	0.039997313		
9.239	ardrone_1	2.47E-05	-1.999992113
	0.040000649		
9.239	ardrone_2	2.42E-05	7.71E-06
	0.040000649		
9.24	ardrone_1	2.49E-05	-1.999991441
	0.039997746		

9.24	ardrone_2	2.44E-05	8.38E-06
	0.039997746		
9.241	ardrone_1	2.47E-05	-1.99999182
	0.040000435		
9.241	ardrone_2	2.42E-05	8.00E-06
	0.040000435		
9.242	ardrone_1	2.48E-05	-1.999992499
	0.039998075		
9.242	ardrone_2	2.43E-05	7.32E-06
	0.039998075		
9.242	ardrone_1	2.48E-05	-1.999992155
	0.040000865		
9.242	ardrone_2	2.42E-05	7.67E-06
	0.040000865		
9.244	ardrone_1	2.50E-05	-1.999991503
	0.039997681		
9.244	ardrone_2	2.44E-05	8.32E-06
	0.039997681		
9.245	ardrone_1	2.48E-05	-1.999991854
	0.040000285		
9.245	ardrone_2	2.42E-05	7.97E-06
	0.040000285		
9.246	ardrone_1	2.48E-05	-1.999992545
	0.039997313		
9.246	ardrone_2	2.43E-05	7.28E-06
	0.039997313		
9.247	ardrone_1	2.47E-05	-1.999992106
	0.040000649		
9.247	ardrone_2	2.42E-05	7.72E-06
	0.040000649		
9.248	ardrone_1	2.49E-05	-1.999991434
	0.039997746		
9.248	ardrone_2	2.44E-05	8.39E-06
	0.039997746		
9.249	ardrone_1	2.48E-05	-1.999991813
	0.040000435		
9.249	ardrone_2	2.42E-05	8.01E-06
	0.040000435		
9.25	ardrone_1	2.48E-05	-1.999992492
	0.039998075		
9.25	ardrone_2	2.43E-05	7.33E-06
	0.039998075		

9.251	ardrone_1	2.48E-05	-1.999992148
	0.040000865		
9.251	ardrone_2	2.42E-05	7.67E-06
	0.040000865		
9.252	ardrone_1	2.50E-05	-1.999991496
	0.039997681		
9.252	ardrone_2	2.44E-05	8.33E-06
	0.039997681		
9.253	ardrone_1	2.48E-05	-1.999991846
	0.040000285		
9.253	ardrone_2	2.42E-05	7.98E-06
	0.040000285		
9.254	ardrone_1	2.49E-05	-1.999992537
	0.039997313		
9.254	ardrone_2	2.43E-05	7.28E-06
	0.039997313		
9.255	ardrone_1	2.48E-05	-1.999992099
	0.040000649		
9.255	ardrone_2	2.42E-05	7.72E-06
	0.040000649		
9.256	ardrone_1	2.50E-05	-1.999991427
	0.039997746		
9.256	ardrone_2	2.44E-05	8.39E-06
	0.039997746		
9.257	ardrone_1	2.48E-05	-1.999991805
	0.040000435		
9.257	ardrone_2	2.42E-05	8.02E-06
	0.040000435		
9.258	ardrone_1	2.48E-05	-1.999992485
	0.039998075		
9.258	ardrone_2	2.43E-05	7.34E-06
	0.039998075		
9.259	ardrone_1	2.48E-05	-1.999992141
	0.040000865		
9.259	ardrone_2	2.43E-05	7.68E-06
	0.040000865		
9.259	ardrone_1	2.50E-05	-1.999991489
	0.039997681		
9.259	ardrone_2	2.45E-05	8.33E-06
	0.039997681		
9.26	ardrone_1	2.48E-05	-1.999991839
	0.040000285		

9.26	ardrone_2	2.43E-05	7.98E-06
0.040000285			
9.262	ardrone_1	2.49E-05	-1.99999253
0.039997313			
9.262	ardrone_2	2.43E-05	7.29E-06
0.039997313			
9.263	ardrone_1	2.48E-05	-1.999992091
0.040000649			
9.263	ardrone_2	2.42E-05	7.73E-06
0.040000649			
9.263	ardrone_1	2.50E-05	-1.99999142
0.039997746			
9.263	ardrone_2	2.44E-05	8.40E-06
0.039997746			
9.265	ardrone_1	2.48E-05	-1.999991798
0.040000435			
9.265	ardrone_2	2.43E-05	8.02E-06
0.040000435			
9.266	ardrone_1	2.49E-05	-1.999992477
0.039998075			
9.266	ardrone_2	2.43E-05	7.34E-06
0.039998075			
9.267	ardrone_1	2.48E-05	-1.999992133
0.040000865			
9.267	ardrone_2	2.43E-05	7.69E-06
0.040000865			
9.268	ardrone_1	2.50E-05	-1.999991482
0.039997681			
9.268	ardrone_2	2.45E-05	8.34E-06
0.039997681			
9.269	ardrone_1	2.48E-05	-1.999991832
0.040000285			
9.269	ardrone_2	2.43E-05	7.99E-06
0.040000285			
9.27	ardrone_1	2.49E-05	-1.999992523
0.039997313			
9.27	ardrone_2	2.44E-05	7.30E-06
0.039997313			
9.271	ardrone_1	2.48E-05	-1.999992084
0.040000649			
9.271	ardrone_2	2.43E-05	7.74E-06
0.040000649			

9.272	ardrone_1	2.50E-05	-1.999991413
	0.039997746		
9.272	ardrone_2	2.44E-05	8.41E-06
	0.039997746		
9.273	ardrone_1	2.48E-05	-1.999991791
	0.040000435		
9.273	ardrone_2	2.43E-05	8.03E-06
	0.040000435		
9.274	ardrone_1	2.49E-05	-1.99999247
	0.039998075		
9.274	ardrone_2	2.43E-05	7.35E-06
	0.039998075		
9.275	ardrone_1	2.48E-05	-1.999992126
	0.040000865		
9.275	ardrone_2	2.43E-05	7.70E-06
	0.040000865		
9.276	ardrone_1	2.50E-05	-1.999991474
	0.039997681		
9.276	ardrone_2	2.45E-05	8.35E-06
	0.039997681		
9.277	ardrone_1	2.48E-05	-1.999991825
	0.040000285		
9.277	ardrone_2	2.43E-05	8.00E-06
	0.040000285		
9.278	ardrone_1	2.49E-05	-1.999992516
	0.039997313		
9.278	ardrone_2	2.44E-05	7.31E-06
	0.039997313		
9.279	ardrone_1	2.48E-05	-1.999992077
	0.040000649		
9.279	ardrone_2	2.43E-05	7.74E-06
	0.040000649		
9.28	ardrone_1	2.50E-05	-1.999991405
	0.039997746		
9.28	ardrone_2	2.45E-05	8.42E-06
	0.039997746		
9.281	ardrone_1	2.48E-05	-1.999991784
	0.040000435		
9.281	ardrone_2	2.43E-05	8.04E-06
	0.040000435		
9.282	ardrone_1	2.49E-05	-1.999992463
	0.039998075		

9.282	ardrone_2	2.44E-05	7.36E-06
	0.039998075		
9.283	ardrone_1	2.49E-05	-1.999992119
	0.040000865		
9.283	ardrone_2	2.43E-05	7.70E-06
	0.040000865		
9.284	ardrone_1	2.51E-05	-1.999991467
	0.039997681		
9.284	ardrone_2	2.45E-05	8.35E-06
	0.039997681		
9.285	ardrone_1	2.49E-05	-1.999991818
	0.040000285		
9.285	ardrone_2	2.43E-05	8.00E-06
	0.040000285		
9.286	ardrone_1	2.50E-05	-1.999992509
	0.039997313		
9.286	ardrone_2	2.44E-05	7.31E-06
	0.039997313		
9.287	ardrone_1	2.49E-05	-1.99999207
	0.040000649		
9.287	ardrone_2	2.43E-05	7.75E-06
	0.040000649		
9.288	ardrone_1	2.50E-05	-1.999991398
	0.039997746		
9.288	ardrone_2	2.45E-05	8.42E-06
	0.039997746		
9.289	ardrone_1	2.49E-05	-1.999991777
	0.040000435		
9.289	ardrone_2	2.43E-05	8.04E-06
	0.040000435		
9.29	ardrone_1	2.49E-05	-1.999992456
	0.039998075		
9.29	ardrone_2	2.44E-05	7.37E-06
	0.039998075		
9.291	ardrone_1	2.49E-05	-1.999992112
	0.040000865		
9.291	ardrone_2	2.43E-05	7.71E-06
	0.040000865		
9.292	ardrone_1	2.51E-05	-1.99999146
	0.039997681		
9.292	ardrone_2	2.45E-05	8.36E-06
	0.039997681		



9.293	ardrone_1	2.49E-05	-1.999991811
	0.040000285		
9.293	ardrone_2	2.43E-05	8.01E-06
	0.040000285		
9.294	ardrone_1	2.50E-05	-1.999992502
	0.039997313		
9.294	ardrone_2	2.44E-05	7.32E-06
	0.039997313		
9.295	ardrone_1	2.49E-05	-1.999992063
	0.040000649		
9.295	ardrone_2	2.43E-05	7.76E-06
	0.040000649		
9.296	ardrone_1	2.51E-05	-1.999991391
	0.039997746		
9.296	ardrone_2	2.45E-05	8.43E-06
	0.039997746		
9.297	ardrone_1	2.49E-05	-1.99999177
	0.040000435		
9.297	ardrone_2	2.43E-05	8.05E-06
	0.040000435		
9.298	ardrone_1	2.50E-05	-1.999992449
	0.039998075		
9.298	ardrone_2	2.44E-05	7.37E-06
	0.039998075		
9.299	ardrone_1	2.49E-05	-1.999992105
	0.040000865		
9.299	ardrone_2	2.44E-05	7.72E-06
	0.040000865		
9.3	ardrone_1	2.51E-05	-1.999991453
	0.039997681		
9.3	ardrone_2	2.46E-05	8.37E-06
	0.039997681		
9.301	ardrone_1	2.49E-05	-1.999991804
	0.040000285		
9.301	ardrone_2	2.44E-05	8.02E-06
	0.040000285		
9.302	ardrone_1	2.50E-05	-1.999992495
	0.039997313		
9.302	ardrone_2	2.44E-05	7.33E-06
	0.039997313		
9.303	ardrone_1	2.49E-05	-1.999992056
	0.040000649		

9.303	ardrone_2	2.43E-05	7.77E-06
	0.040000649		
9.304	ardrone_1	2.51E-05	-1.999991384
	0.039997746		
9.304	ardrone_2	2.45E-05	8.44E-06
	0.039997746		
9.305	ardrone_1	2.49E-05	-1.999991763
	0.040000435		
9.305	ardrone_2	2.44E-05	8.06E-06
	0.040000435		
9.306	ardrone_1	2.50E-05	-1.999992442
	0.039998075		
9.306	ardrone_2	2.44E-05	7.38E-06
	0.039998075		
9.307	ardrone_1	2.49E-05	-1.999992098
	0.040000865		
9.307	ardrone_2	2.44E-05	7.72E-06
	0.040000865		
9.308	ardrone_1	2.51E-05	-1.999991446
	0.039997681		
9.308	ardrone_2	2.46E-05	8.38E-06
	0.039997681		
9.309	ardrone_1	2.49E-05	-1.999991797
	0.040000285		
9.309	ardrone_2	2.44E-05	8.03E-06
	0.040000285		
9.31	ardrone_1	2.50E-05	-1.999992487
	0.039997313		
9.31	ardrone_2	2.45E-05	7.33E-06
	0.039997313		
9.311	ardrone_1	2.49E-05	-1.999992049
	0.040000649		
9.311	ardrone_2	2.44E-05	7.77E-06
	0.040000649		
9.312	ardrone_1	2.51E-05	-1.999991377
	0.039997746		
9.312	ardrone_2	2.46E-05	8.44E-06
	0.039997746		
9.313	ardrone_1	2.49E-05	-1.999991756
	0.040000435		
9.313	ardrone_2	2.44E-05	8.07E-06
	0.040000435		

9.314	ardrone_1	2.50E-05	-1.999992435
	0.039998075		
9.314	ardrone_2	2.45E-05	7.39E-06
	0.039998075		
9.315	ardrone_1	2.50E-05	-1.999992091
	0.040000865		
9.315	ardrone_2	2.44E-05	7.73E-06
	0.040000865		
9.316	ardrone_1	2.52E-05	-1.999991439
	0.039997681		
9.316	ardrone_2	2.46E-05	8.38E-06
	0.039997681		
9.317	ardrone_1	2.50E-05	-1.999991789
	0.040000285		
9.317	ardrone_2	2.44E-05	8.03E-06
	0.040000285		
9.318	ardrone_1	2.50E-05	-1.99999248
	0.039997313		
9.318	ardrone_2	2.45E-05	7.34E-06
	0.039997313		
9.319	ardrone_1	2.49E-05	-1.999992042
	0.040000649		
9.319	ardrone_2	2.44E-05	7.78E-06
	0.040000649		
9.32	ardrone_1	2.51E-05	-1.99999137
	0.039997746		
9.32	ardrone_2	2.46E-05	8.45E-06
	0.039997746		
9.321	ardrone_1	2.50E-05	-1.999991748
	0.040000435		
9.321	ardrone_2	2.44E-05	8.07E-06
	0.040000435		
9.322	ardrone_1	2.50E-05	-1.999992428
	0.039998075		
9.322	ardrone_2	2.45E-05	7.39E-06
	0.039998075		
9.323	ardrone_1	2.50E-05	-1.999992084
	0.040000865		
9.323	ardrone_2	2.44E-05	7.74E-06
	0.040000865		
9.324	ardrone_1	2.52E-05	-1.999991432
	0.039997681		

9.324	ardrone_2	2.46E-05	8.39E-06
	0.039997681		
9.325	ardrone_1	2.50E-05	-1.999991782
	0.040000285		
9.325	ardrone_2	2.44E-05	8.04E-06
	0.040000285		
9.326	ardrone_1	2.51E-05	-1.999992473
	0.039997313		
9.326	ardrone_2	2.45E-05	7.35E-06
	0.039997313		
9.327	ardrone_1	2.50E-05	-1.999992034
	0.040000649		
9.327	ardrone_2	2.44E-05	7.79E-06
	0.040000649		
9.328	ardrone_1	2.51E-05	-1.999991363
	0.039997746		
9.328	ardrone_2	2.46E-05	8.46E-06
	0.039997746		
9.329	ardrone_1	2.50E-05	-1.999991741
	0.040000435		
9.329	ardrone_2	2.44E-05	8.08E-06
	0.040000435		
9.33	ardrone_1	2.50E-05	-1.99999242
	0.039998075		
9.33	ardrone_2	2.45E-05	7.40E-06
	0.039998075		
9.331	ardrone_1	2.50E-05	-1.999992076
	0.040000865		
9.331	ardrone_2	2.44E-05	7.75E-06
	0.040000865		
9.332	ardrone_1	2.52E-05	-1.999991425
	0.039997681		
9.332	ardrone_2	2.47E-05	8.40E-06
	0.039997681		
9.333	ardrone_1	2.50E-05	-1.999991775
	0.040000285		
9.333	ardrone_2	2.45E-05	8.05E-06
	0.040000285		
9.334	ardrone_1	2.51E-05	-1.999992466
	0.039997313		
9.334	ardrone_2	2.45E-05	7.36E-06
	0.039997313		

9.335	ardrone_1	2.50E-05	-1.999992027
	0.040000649		
9.335	ardrone_2	2.44E-05	7.79E-06
	0.040000649		
9.336	ardrone_1	2.52E-05	-1.999991356
	0.039997746		
9.336	ardrone_2	2.46E-05	8.47E-06
	0.039997746		
9.337	ardrone_1	2.50E-05	-1.999991734
	0.040000435		
9.337	ardrone_2	2.45E-05	8.09E-06
	0.040000435		
9.338	ardrone_1	2.51E-05	-1.999992413
	0.039998075		
9.338	ardrone_2	2.45E-05	7.41E-06
	0.039998075		
9.339	ardrone_1	2.50E-05	-1.999992069
	0.040000865		
9.339	ardrone_2	2.45E-05	7.75E-06
	0.040000865		
9.34	ardrone_1	2.52E-05	-1.999991417
	0.039997681		
9.34	ardrone_2	2.47E-05	8.40E-06
	0.039997681		
9.341	ardrone_1	2.50E-05	-1.999991768
	0.040000285		
9.341	ardrone_2	2.45E-05	8.05E-06
	0.040000285		
9.342	ardrone_1	2.51E-05	-1.999992459
	0.039997313		
9.342	ardrone_2	2.46E-05	7.36E-06
	0.039997313		
9.343	ardrone_1	2.50E-05	-1.99999202
	0.040000649		
9.343	ardrone_2	2.45E-05	7.80E-06
	0.040000649		
9.344	ardrone_1	2.52E-05	-1.999991348
	0.039997746		
9.344	ardrone_2	2.46E-05	8.47E-06
	0.039997746		
9.345	ardrone_1	2.50E-05	-1.999991727
	0.040000435		

9.345	ardrone_2	2.45E-05	8.09E-06
	0.040000435		
9.346	ardrone_1	2.51E-05	-1.999992406
	0.039998075		
9.346	ardrone_2	2.45E-05	7.42E-06
	0.039998075		
9.347	ardrone_1	2.50E-05	-1.999992062
	0.040000865		
9.347	ardrone_2	2.45E-05	7.76E-06
	0.040000865		
9.348	ardrone_1	2.52E-05	-1.99999141
	0.039997681		
9.348	ardrone_2	2.47E-05	8.41E-06
	0.039997681		
9.349	ardrone_1	2.50E-05	-1.999991761
	0.040000285		
9.349	ardrone_2	2.45E-05	8.06E-06
	0.040000285		
9.35	ardrone_1	2.51E-05	-1.999992452
	0.039997313		
9.35	ardrone_2	2.46E-05	7.37E-06
	0.039997313		
9.351	ardrone_1	2.50E-05	-1.999992013
	0.040000649		
9.351	ardrone_2	2.45E-05	7.81E-06
	0.040000649		
9.352	ardrone_1	2.52E-05	-1.999991341
	0.039997746		
9.352	ardrone_2	2.47E-05	8.48E-06
	0.039997746		
9.353	ardrone_1	2.50E-05	-1.99999172
	0.040000435		
9.353	ardrone_2	2.45E-05	8.10E-06
	0.040000435		
9.353	ardrone_1	2.51E-05	-1.999992399
	0.039998075		
9.353	ardrone_2	2.46E-05	7.42E-06
	0.039998075		
9.355	ardrone_1	2.51E-05	-1.999992055
	0.040000865		
9.355	ardrone_2	2.45E-05	7.77E-06
	0.040000865		

9.356	ardrone_1	2.53E-05	-1.999991403
	0.039997681		
9.356	ardrone_2	2.47E-05	8.42E-06
	0.039997681		
9.357	ardrone_1	2.51E-05	-1.999991754
	0.040000285		
9.357	ardrone_2	2.45E-05	8.07E-06
	0.040000285		
9.358	ardrone_1	2.51E-05	-1.999992445
	0.039997313		
9.358	ardrone_2	2.46E-05	7.38E-06
	0.039997313		
9.359	ardrone_1	2.50E-05	-1.999992006
	0.040000649		
9.359	ardrone_2	2.45E-05	7.82E-06
	0.040000649		
9.36	ardrone_1	2.52E-05	-1.999991334
	0.039997746		
9.36	ardrone_2	2.47E-05	8.49E-06
	0.039997746		
9.361	ardrone_1	2.51E-05	-1.999991713
	0.040000435		
9.361	ardrone_2	2.45E-05	8.11E-06
	0.040000435		
9.362	ardrone_1	2.51E-05	-1.999992392
	0.039998075		
9.362	ardrone_2	2.46E-05	7.43E-06
	0.039998075		
9.363	ardrone_1	2.51E-05	-1.999992048
	0.040000865		
9.363	ardrone_2	2.45E-05	7.77E-06
	0.040000865		
9.364	ardrone_1	2.53E-05	-1.999991396
	0.039997681		
9.364	ardrone_2	2.47E-05	8.43E-06
	0.039997681		
9.365	ardrone_1	2.51E-05	-1.999991747
	0.040000285		
9.365	ardrone_2	2.45E-05	8.08E-06
	0.040000285		
9.366	ardrone_1	2.52E-05	-1.999992438
	0.039997313		

9.366	ardrone_2	2.46E-05	7.38E-06
	0.039997313		
9.367	ardrone_1	2.51E-05	-1.999991999
	0.040000649		
9.367	ardrone_2	2.45E-05	7.82E-06
	0.040000649		
9.368	ardrone_1	2.53E-05	-1.999991327
	0.039997746		
9.368	ardrone_2	2.47E-05	8.49E-06
	0.039997746		
9.368	ardrone_1	2.51E-05	-1.999991706
	0.040000435		
9.368	ardrone_2	2.45E-05	8.12E-06
	0.040000435		
9.37	ardrone_1	2.52E-05	-1.999992385
	0.039998075		
9.37	ardrone_2	2.46E-05	7.44E-06
	0.039998075		
9.371	ardrone_1	2.51E-05	-1.999992041
	0.040000865		
9.371	ardrone_2	2.46E-05	7.78E-06
	0.040000865		
9.372	ardrone_1	2.53E-05	-1.999991389
	0.039997681		
9.372	ardrone_2	2.48E-05	8.43E-06
	0.039997681		
9.373	ardrone_1	2.51E-05	-1.999991739
	0.040000285		
9.373	ardrone_2	2.46E-05	8.08E-06
	0.040000285		
9.374	ardrone_1	2.52E-05	-1.99999243
	0.039997313		
9.374	ardrone_2	2.46E-05	7.39E-06
	0.039997313		
9.375	ardrone_1	2.51E-05	-1.999991992
	0.040000649		
9.375	ardrone_2	2.45E-05	7.83E-06
	0.040000649		
9.376	ardrone_1	2.53E-05	-1.99999132
	0.039997746		
9.376	ardrone_2	2.47E-05	8.50E-06
	0.039997746		



9.377	ardrone_1	2.51E-05	-1.999991699
	0.040000435		
9.377	ardrone_2	2.46E-05	8.12E-06
	0.040000435		
9.378	ardrone_1	2.52E-05	-1.999992378
	0.039998075		
9.378	ardrone_2	2.46E-05	7.44E-06
	0.039998075		
9.379	ardrone_1	2.51E-05	-1.999992034
	0.040000865		
9.379	ardrone_2	2.46E-05	7.79E-06
	0.040000865		
9.38	ardrone_1	2.53E-05	-1.999991382
	0.039997681		
9.38	ardrone_2	2.48E-05	8.44E-06
	0.039997681		
9.381	ardrone_1	2.51E-05	-1.999991732
	0.040000285		
9.381	ardrone_2	2.46E-05	8.09E-06
	0.040000285		
9.382	ardrone_1	2.52E-05	-1.999992423
	0.039997313		
9.382	ardrone_2	2.47E-05	7.40E-06
	0.039997313		
9.383	ardrone_1	2.51E-05	-1.999991984
	0.040000649		
9.383	ardrone_2	2.46E-05	7.84E-06
	0.040000649		
9.384	ardrone_1	2.53E-05	-1.999991313
	0.039997746		
9.384	ardrone_2	2.48E-05	8.51E-06
	0.039997746		
9.385	ardrone_1	2.51E-05	-1.999991691
	0.040000435		
9.385	ardrone_2	2.46E-05	8.13E-06
	0.040000435		
9.386	ardrone_1	2.52E-05	-1.999992371
	0.039998075		
9.386	ardrone_2	2.47E-05	7.45E-06
	0.039998075		
9.387	ardrone_1	2.51E-05	-1.999992027
	0.040000865		

9.387	ardrone_2	2.46E-05	7.80E-06
0.040000865			
9.388	ardrone_1	2.54E-05	-1.999991375
0.039997681			
9.388	ardrone_2	2.48E-05	8.45E-06
0.039997681			
9.389	ardrone_1	2.52E-05	-1.999991725
0.040000285			
9.389	ardrone_2	2.46E-05	8.10E-06
0.040000285			
9.39	ardrone_1	2.52E-05	-1.999992416
0.039997313			
9.39	ardrone_2	2.47E-05	7.41E-06
0.039997313			
9.391	ardrone_1	2.51E-05	-1.999991977
0.040000649			
9.391	ardrone_2	2.46E-05	7.84E-06
0.040000649			
9.392	ardrone_1	2.53E-05	-1.999991306
0.039997746			
9.392	ardrone_2	2.48E-05	8.52E-06
0.039997746			
9.393	ardrone_1	2.52E-05	-1.999991684
0.040000435			
9.393	ardrone_2	2.46E-05	8.14E-06
0.040000435			
9.394	ardrone_1	2.52E-05	-1.999992363
0.039998075			
9.394	ardrone_2	2.47E-05	7.46E-06
0.039998075			
9.395	ardrone_1	2.52E-05	-1.999992019
0.040000865			
9.395	ardrone_2	2.46E-05	7.80E-06
0.040000865			
9.396	ardrone_1	2.54E-05	-1.999991367
0.039997681			
9.396	ardrone_2	2.48E-05	8.45E-06
0.039997681			
9.397	ardrone_1	2.52E-05	-1.999991718
0.040000285			
9.397	ardrone_2	2.46E-05	8.10E-06
0.040000285			

9.398	ardrone_1	2.53E-05	-1.999992409
	0.039997313		
9.398	ardrone_2	2.47E-05	7.41E-06
	0.039997313		
9.399	ardrone_1	2.52E-05	-1.99999197
	0.040000649		
9.399	ardrone_2	2.46E-05	7.85E-06
	0.040000649		
9.4	ardrone_1	2.53E-05	-1.999991298
	0.039997746		
9.4	ardrone_2	2.48E-05	8.52E-06
	0.039997746		
9.401	ardrone_1	2.52E-05	-1.999991677
	0.040000435		
9.401	ardrone_2	2.46E-05	8.14E-06
	0.040000435		
9.402	ardrone_1	2.52E-05	-1.999992356
	0.039998075		
9.402	ardrone_2	2.47E-05	7.47E-06
	0.039998075		
9.403	ardrone_1	2.52E-05	-1.999992012
	0.040000865		
9.403	ardrone_2	2.46E-05	7.81E-06
	0.040000865		
9.404	ardrone_1	2.54E-05	-1.99999136
	0.039997681		
9.404	ardrone_2	2.48E-05	8.46E-06
	0.039997681		
9.405	ardrone_1	2.52E-05	-1.999991711
	0.040000285		
9.405	ardrone_2	2.47E-05	8.11E-06
	0.040000285		
9.406	ardrone_1	2.53E-05	-1.999992402
	0.039997313		
9.406	ardrone_2	2.47E-05	7.42E-06
	0.039997313		
9.407	ardrone_1	2.52E-05	-1.999991963
	0.040000649		
9.407	ardrone_2	2.46E-05	7.86E-06
	0.040000649		
9.408	ardrone_1	2.54E-05	-1.999991291
	0.039997746		

9.408	ardrone_2	2.48E-05	8.53E-06
0.039997746			
9.409	ardrone_1	2.52E-05	-1.99999167
0.040000435			
9.409	ardrone_2	2.46E-05	8.15E-06
0.040000435			
9.41	ardrone_1	2.53E-05	-1.999992349
0.039998075			
9.41	ardrone_2	2.47E-05	7.47E-06
0.039998075			
9.411	ardrone_1	2.52E-05	-1.999992005
0.040000865			
9.411	ardrone_2	2.47E-05	7.82E-06
0.040000865			
9.412	ardrone_1	2.54E-05	-1.999991353
0.039997681			
9.412	ardrone_2	2.49E-05	8.47E-06
0.039997681			
9.413	ardrone_1	2.52E-05	-1.999991704
0.040000285			
9.413	ardrone_2	2.47E-05	8.12E-06
0.040000285			
9.414	ardrone_1	2.53E-05	-1.999992395
0.039997313			
9.414	ardrone_2	2.48E-05	7.43E-06
0.039997313			
9.415	ardrone_1	2.52E-05	-1.999991956
0.040000649			
9.415	ardrone_2	2.47E-05	7.87E-06
0.040000649			
9.416	ardrone_1	2.54E-05	-1.999991284
0.039997746			
9.416	ardrone_2	2.48E-05	8.54E-06
0.039997746			
9.417	ardrone_1	2.52E-05	-1.999991663
0.040000435			
9.417	ardrone_2	2.47E-05	8.16E-06
0.040000435			
9.418	ardrone_1	2.53E-05	-1.999992342
0.039998075			
9.418	ardrone_2	2.47E-05	7.48E-06
0.039998075			

9.419	ardrone_1	2.52E-05	-1.999991998
	0.040000865		
9.419	ardrone_2	2.47E-05	7.82E-06
	0.040000865		
9.42	ardrone_1	2.54E-05	-1.999991346
	0.039997681		
9.42	ardrone_2	2.49E-05	8.48E-06
	0.039997681		
9.421	ardrone_1	2.52E-05	-1.999991697
	0.040000285		
9.421	ardrone_2	2.47E-05	8.13E-06
	0.040000285		
9.422	ardrone_1	2.53E-05	-1.999992388
	0.039997313		
9.422	ardrone_2	2.48E-05	7.43E-06
	0.039997313		
9.423	ardrone_1	2.52E-05	-1.999991949
	0.040000649		
9.423	ardrone_2	2.47E-05	7.87E-06
	0.040000649		
9.424	ardrone_1	2.54E-05	-1.999991277
	0.039997746		
9.424	ardrone_2	2.49E-05	8.54E-06
	0.039997746		
9.425	ardrone_1	2.52E-05	-1.999991656
	0.040000435		
9.425	ardrone_2	2.47E-05	8.17E-06
	0.040000435		
9.426	ardrone_1	2.53E-05	-1.999992335
	0.039998075		
9.426	ardrone_2	2.48E-05	7.49E-06
	0.039998075		
9.427	ardrone_1	2.53E-05	-1.999991991
	0.040000865		
9.427	ardrone_2	2.47E-05	7.83E-06
	0.040000865		
9.428	ardrone_1	2.55E-05	-1.999991339
	0.039997681		
9.428	ardrone_2	2.49E-05	8.48E-06
	0.039997681		
9.429	ardrone_1	2.53E-05	-1.99999169
	0.040000285		

9.429	ardrone_2	2.47E-05	8.13E-06
0.040000285			
9.43	ardrone_1	2.53E-05	-1.999992381
0.039997313			
9.43	ardrone_2	2.48E-05	7.44E-06
0.039997313			
9.431	ardrone_1	2.52E-05	-1.999991942
0.040000649			
9.431	ardrone_2	2.47E-05	7.88E-06
0.040000649			
9.432	ardrone_1	2.54E-05	-1.99999127
0.039997746			
9.432	ardrone_2	2.49E-05	8.55E-06
0.039997746			
9.433	ardrone_1	2.53E-05	-1.999991649
0.040000435			
9.433	ardrone_2	2.47E-05	8.17E-06
0.040000435			
9.434	ardrone_1	2.53E-05	-1.999992328
0.039998075			
9.434	ardrone_2	2.48E-05	7.49E-06
0.039998075			
9.435	ardrone_1	2.53E-05	-1.999991984
0.040000865			
9.435	ardrone_2	2.47E-05	7.84E-06
0.040000865			
9.436	ardrone_1	2.55E-05	-1.999991332
0.039997681			
9.436	ardrone_2	2.49E-05	8.49E-06
0.039997681			
9.436	ardrone_1	2.53E-05	-1.999991682
0.040000285			
9.436	ardrone_2	2.47E-05	8.14E-06
0.040000285			
9.438	ardrone_1	2.54E-05	-1.999992373
0.039997313			
9.438	ardrone_2	2.48E-05	7.45E-06
0.039997313			
9.439	ardrone_1	2.53E-05	-1.999991935
0.040000649			
9.439	ardrone_2	2.47E-05	7.89E-06
0.040000649			

9.44	ardrone_1	2.55E-05	-1.999991263
	0.039997746		
9.44	ardrone_2	2.49E-05	8.56E-06
	0.039997746		
9.441	ardrone_1	2.53E-05	-1.999991642
	0.040000435		
9.441	ardrone_2	2.47E-05	8.18E-06
	0.040000435		
9.442	ardrone_1	2.54E-05	-1.999992321
	0.039998075		
9.442	ardrone_2	2.48E-05	7.50E-06
	0.039998075		
9.443	ardrone_1	2.53E-05	-1.999991977
	0.040000865		
9.443	ardrone_2	2.48E-05	7.85E-06
	0.040000865		
9.444	ardrone_1	2.55E-05	-1.999991325
	0.039997681		
9.444	ardrone_2	2.50E-05	8.50E-06
	0.039997681		
9.445	ardrone_1	2.53E-05	-1.999991675
	0.040000285		
9.445	ardrone_2	2.48E-05	8.15E-06
	0.040000285		
9.445	ardrone_1	2.54E-05	-1.999992366
	0.039997313		
9.445	ardrone_2	2.48E-05	7.46E-06
	0.039997313		
9.447	ardrone_1	2.53E-05	-1.999991927
	0.040000649		
9.447	ardrone_2	2.47E-05	7.89E-06
	0.040000649		
9.447	ardrone_1	2.55E-05	-1.999991256
	0.039997746		
9.447	ardrone_2	2.49E-05	8.57E-06
	0.039997746		
9.449	ardrone_1	2.53E-05	-1.999991634
	0.040000435		
9.449	ardrone_2	2.48E-05	8.19E-06
	0.040000435		
9.45	ardrone_1	2.54E-05	-1.999992314
	0.039998075		

9.45	ardrone_2	2.48E-05	7.51E-06
0.039998075			
9.451	ardrone_1	2.53E-05	-1.999991969
0.040000865			
9.451	ardrone_2	2.48E-05	7.85E-06
0.040000865			
9.452	ardrone_1	2.55E-05	-1.999991318
0.039997681			
9.452	ardrone_2	2.50E-05	8.50E-06
0.039997681			
9.453	ardrone_1	2.53E-05	-1.999991668
0.040000285			
9.453	ardrone_2	2.48E-05	8.15E-06
0.040000285			
9.454	ardrone_1	2.54E-05	-1.999992359
0.039997313			
9.454	ardrone_2	2.49E-05	7.46E-06
0.039997313			
9.455	ardrone_1	2.53E-05	-1.99999192
0.040000649			
9.455	ardrone_2	2.48E-05	7.90E-06
0.040000649			
9.456	ardrone_1	2.55E-05	-1.999991249
0.039997746			
9.456	ardrone_2	2.50E-05	8.57E-06
0.039997746			
9.457	ardrone_1	2.53E-05	-1.999991627
0.040000435			
9.457	ardrone_2	2.48E-05	8.19E-06
0.040000435			
9.458	ardrone_1	2.54E-05	-1.999992306
0.039998075			
9.458	ardrone_2	2.48E-05	7.52E-06
0.039998075			
9.459	ardrone_1	2.53E-05	-1.999991962
0.040000865			
9.459	ardrone_2	2.48E-05	7.86E-06
0.040000865			
9.46	ardrone_1	2.55E-05	-1.99999131
0.039997681			
9.46	ardrone_2	2.50E-05	8.51E-06
0.039997681			



9.461	ardrone_1	2.54E-05	-1.999991661
	0.040000285		
9.461	ardrone_2	2.48E-05	8.16E-06
	0.040000285		
9.461	ardrone_1	2.54E-05	-1.999992352
	0.039997313		
9.461	ardrone_2	2.49E-05	7.47E-06
	0.039997313		
9.462	ardrone_1	2.53E-05	-1.999991913
	0.040000649		
9.462	ardrone_2	2.48E-05	7.91E-06
	0.040000649		
9.464	ardrone_1	2.55E-05	-1.999991241
	0.039997746		
9.464	ardrone_2	2.50E-05	8.58E-06
	0.039997746		
9.465	ardrone_1	2.53E-05	-1.99999162
	0.040000435		
9.465	ardrone_2	2.48E-05	8.20E-06
	0.040000435		
9.466	ardrone_1	2.54E-05	-1.999992299
	0.039998075		
9.466	ardrone_2	2.49E-05	7.52E-06
	0.039998075		
9.467	ardrone_1	2.54E-05	-1.999991955
	0.040000865		
9.467	ardrone_2	2.48E-05	7.87E-06
	0.040000865		
9.468	ardrone_1	2.56E-05	-1.999991303
	0.039997681		
9.468	ardrone_2	2.50E-05	8.52E-06
	0.039997681		
9.469	ardrone_1	2.54E-05	-1.999991654
	0.040000285		
9.469	ardrone_2	2.48E-05	8.17E-06
	0.040000285		
9.47	ardrone_1	2.55E-05	-1.999992345
	0.039997313		
9.47	ardrone_2	2.49E-05	7.48E-06
	0.039997313		
9.471	ardrone_1	2.54E-05	-1.999991906
	0.040000649		

9.471	ardrone_2	2.48E-05	7.92E-06
0.040000649			
9.472	ardrone_1	2.55E-05	-1.999991234
0.039997746			
9.472	ardrone_2	2.50E-05	8.59E-06
0.039997746			
9.473	ardrone_1	2.54E-05	-1.999991613
0.040000435			
9.473	ardrone_2	2.48E-05	8.21E-06
0.040000435			
9.474	ardrone_1	2.54E-05	-1.999992292
0.039998075			
9.474	ardrone_2	2.49E-05	7.53E-06
0.039998075			
9.475	ardrone_1	2.54E-05	-1.999991948
0.040000865			
9.475	ardrone_2	2.48E-05	7.87E-06
0.040000865			
9.476	ardrone_1	2.56E-05	-1.999991296
0.039997681			
9.476	ardrone_2	2.50E-05	8.53E-06
0.039997681			
9.477	ardrone_1	2.54E-05	-1.999991647
0.040000285			
9.477	ardrone_2	2.48E-05	8.17E-06
0.040000285			
9.478	ardrone_1	2.55E-05	-1.999992338
0.039997313			
9.478	ardrone_2	2.49E-05	7.48E-06
0.039997313			
9.479	ardrone_1	2.54E-05	-1.999991899
0.040000649			
9.479	ardrone_2	2.48E-05	7.92E-06
0.040000649			
9.48	ardrone_1	2.56E-05	-1.999991227
0.039997746			
9.48	ardrone_2	2.50E-05	8.59E-06
0.039997746			
9.481	ardrone_1	2.54E-05	-1.999991606
0.040000435			
9.481	ardrone_2	2.48E-05	8.22E-06
0.040000435			

9.482	ardrone_1	2.55E-05	-1.999992285
	0.039998075		
9.482	ardrone_2	2.49E-05	7.54E-06
	0.039998075		
9.483	ardrone_1	2.54E-05	-1.999991941
	0.040000865		
9.483	ardrone_2	2.49E-05	7.88E-06
	0.040000865		
9.484	ardrone_1	2.56E-05	-1.999991289
	0.039997681		
9.484	ardrone_2	2.51E-05	8.53E-06
	0.039997681		
9.485	ardrone_1	2.54E-05	-1.99999164
	0.040000285		
9.485	ardrone_2	2.49E-05	8.18E-06
	0.040000285		
9.486	ardrone_1	2.55E-05	-1.999992331
	0.039997313		
9.486	ardrone_2	2.50E-05	7.49E-06
	0.039997313		
9.487	ardrone_1	2.54E-05	-1.999991892
	0.040000649		
9.487	ardrone_2	2.49E-05	7.93E-06
	0.040000649		
9.487	ardrone_1	2.56E-05	-1.99999122
	0.039997746		
9.487	ardrone_2	2.50E-05	8.60E-06
	0.039997746		
9.489	ardrone_1	2.54E-05	-1.999991599
	0.040000435		
9.489	ardrone_2	2.49E-05	8.22E-06
	0.040000435		
9.49	ardrone_1	2.55E-05	-1.999992278
	0.039998075		
9.49	ardrone_2	2.49E-05	7.54E-06
	0.039998075		
9.491	ardrone_1	2.54E-05	-1.999991934
	0.040000865		
9.491	ardrone_2	2.49E-05	7.89E-06
	0.040000865		
9.492	ardrone_1	2.56E-05	-1.999991282
	0.039997681		

9.492	ardrone_2	2.51E-05	8.54E-06
	0.039997681		
9.493	ardrone_1	2.54E-05	-1.999991633
	0.040000285		
9.493	ardrone_2	2.49E-05	8.19E-06
	0.040000285		
9.494	ardrone_1	2.55E-05	-1.999992324
	0.039997313		
9.494	ardrone_2	2.50E-05	7.50E-06
	0.039997313		
9.495	ardrone_1	2.54E-05	-1.999991885
	0.040000649		
9.495	ardrone_2	2.49E-05	7.94E-06
	0.040000649		
9.496	ardrone_1	2.56E-05	-1.999991213
	0.039997746		
9.496	ardrone_2	2.51E-05	8.61E-06
	0.039997746		
9.497	ardrone_1	2.54E-05	-1.999991592
	0.040000435		
9.497	ardrone_2	2.49E-05	8.23E-06
	0.040000435		
9.498	ardrone_1	2.55E-05	-1.999992271
	0.039998075		
9.498	ardrone_2	2.50E-05	7.55E-06
	0.039998075		
9.499	ardrone_1	2.55E-05	-1.999991927
	0.040000865		
9.499	ardrone_2	2.49E-05	7.90E-06
	0.040000865		
9.5	ardrone_1	2.57E-05	-1.999991275
	0.039997681		
9.5	ardrone_2	2.51E-05	8.55E-06
	0.039997681		
9.501	ardrone_1	2.55E-05	-1.999991625
	0.040000285		
9.501	ardrone_2	2.49E-05	8.20E-06
	0.040000285		
9.502	ardrone_1	2.55E-05	-1.999992316
	0.039997313		
9.502	ardrone_2	2.50E-05	7.51E-06
	0.039997313		

9.503	ardrone_1	2.54E-05	-1.999991878
	0.040000649		
9.503	ardrone_2	2.49E-05	7.94E-06
	0.040000649		
9.504	ardrone_1	2.56E-05	-1.999991206
	0.039997746		
9.504	ardrone_2	2.51E-05	8.62E-06
	0.039997746		
9.505	ardrone_1	2.55E-05	-1.999991584
	0.040000435		
9.505	ardrone_2	2.49E-05	8.24E-06
	0.040000435		
9.506	ardrone_1	2.55E-05	-1.999992264
	0.039998075		
9.506	ardrone_2	2.50E-05	7.56E-06
	0.039998075		
9.507	ardrone_1	2.55E-05	-1.99999192
	0.040000865		
9.507	ardrone_2	2.49E-05	7.90E-06
	0.040000865		
9.508	ardrone_1	2.57E-05	-1.999991268
	0.039997681		
9.508	ardrone_2	2.51E-05	8.55E-06
	0.039997681		
9.509	ardrone_1	2.55E-05	-1.999991618
	0.040000285		
9.509	ardrone_2	2.49E-05	8.20E-06
	0.040000285		
9.51	ardrone_1	2.56E-05	-1.999992309
	0.039997313		
9.51	ardrone_2	2.50E-05	7.51E-06
	0.039997313		
9.511	ardrone_1	2.55E-05	-1.99999187
	0.040000649		
9.511	ardrone_2	2.49E-05	7.95E-06
	0.040000649		
9.511	ardrone_1	2.57E-05	-1.999991199
	0.039997746		
9.511	ardrone_2	2.51E-05	8.62E-06
	0.039997746		
9.513	ardrone_1	2.55E-05	-1.999991577
	0.040000435		

9.513	ardrone_2	2.49E-05	8.24E-06
0.040000435			
9.514	ardrone_1	2.55E-05	-1.999992256
0.039998075			
9.514	ardrone_2	2.50E-05	7.57E-06
0.039998075			
9.515	ardrone_1	2.55E-05	-1.999991912
0.040000865			
9.515	ardrone_2	2.50E-05	7.91E-06
0.040000865			
9.516	ardrone_1	2.57E-05	-1.999991261
0.039997681			
9.516	ardrone_2	2.52E-05	8.56E-06
0.039997681			
9.517	ardrone_1	2.55E-05	-1.999991611
0.040000285			
9.517	ardrone_2	2.50E-05	8.21E-06
0.040000285			
9.518	ardrone_1	2.56E-05	-1.999992302
0.039997313			
9.518	ardrone_2	2.50E-05	7.52E-06
0.039997313			
9.519	ardrone_1	2.55E-05	-1.999991863
0.040000649			
9.519	ardrone_2	2.49E-05	7.96E-06
0.040000649			
9.52	ardrone_1	2.57E-05	-1.999991192
0.039997746			
9.52	ardrone_2	2.51E-05	8.63E-06
0.039997746			
9.521	ardrone_1	2.55E-05	-1.99999157
0.040000435			
9.521	ardrone_2	2.50E-05	8.25E-06
0.040000435			
9.522	ardrone_1	2.56E-05	-1.999992249
0.039998075			
9.522	ardrone_2	2.50E-05	7.57E-06
0.039998075			
9.523	ardrone_1	2.55E-05	-1.999991905
0.040000865			
9.523	ardrone_2	2.50E-05	7.92E-06
0.040000865			

9.524	ardrone_1	2.57E-05	-1.999991253
	0.039997681		
9.524	ardrone_2	2.52E-05	8.57E-06
	0.039997681		
9.525	ardrone_1	2.55E-05	-1.999991604
	0.040000285		
9.525	ardrone_2	2.50E-05	8.22E-06
	0.040000285		
9.526	ardrone_1	2.56E-05	-1.999992295
	0.039997313		
9.526	ardrone_2	2.51E-05	7.53E-06
	0.039997313		
9.527	ardrone_1	2.55E-05	-1.999991856
	0.040000649		
9.527	ardrone_2	2.50E-05	7.97E-06
	0.040000649		
9.528	ardrone_1	2.57E-05	-1.999991184
	0.039997746		
9.528	ardrone_2	2.51E-05	8.64E-06
	0.039997746		
9.529	ardrone_1	2.55E-05	-1.999991563
	0.040000435		
9.529	ardrone_2	2.50E-05	8.26E-06
	0.040000435		
9.53	ardrone_1	2.56E-05	-1.999992242
	0.039998075		
9.53	ardrone_2	2.50E-05	7.58E-06
	0.039998075		
9.531	ardrone_1	2.55E-05	-1.999991898
	0.040000865		
9.531	ardrone_2	2.50E-05	7.92E-06
	0.040000865		
9.532	ardrone_1	2.57E-05	-1.999991246
	0.039997681		
9.532	ardrone_2	2.52E-05	8.58E-06
	0.039997681		
9.533	ardrone_1	2.55E-05	-1.999991597
	0.040000285		
9.533	ardrone_2	2.50E-05	8.22E-06
	0.040000285		
9.534	ardrone_1	2.56E-05	-1.999992288
	0.039997313		

9.534	ardrone_2	2.51E-05	7.53E-06
0.039997313			
9.535	ardrone_1	2.55E-05	-1.999991849
0.040000649			
9.535	ardrone_2	2.50E-05	7.97E-06
0.040000649			
9.536	ardrone_1	2.57E-05	-1.999991177
0.039997746			
9.536	ardrone_2	2.52E-05	8.64E-06
0.039997746			
9.536	ardrone_1	2.55E-05	-1.999991556
0.040000435			
9.536	ardrone_2	2.50E-05	8.27E-06
0.040000435			
9.538	ardrone_1	2.56E-05	-1.999992235
0.039998075			
9.538	ardrone_2	2.51E-05	7.59E-06
0.039998075			
9.539	ardrone_1	2.56E-05	-1.999991891
0.040000865			
9.539	ardrone_2	2.50E-05	7.93E-06
0.040000865			
9.54	ardrone_1	2.58E-05	-1.999991239
0.039997681			
9.54	ardrone_2	2.52E-05	8.58E-06
0.039997681			
9.541	ardrone_1	2.56E-05	-1.99999159
0.040000285			
9.541	ardrone_2	2.50E-05	8.23E-06
0.040000285			
9.542	ardrone_1	2.57E-05	-1.999992281
0.039997313			
9.542	ardrone_2	2.51E-05	7.54E-06
0.039997313			
9.543	ardrone_1	2.56E-05	-1.999991842
0.040000649			
9.543	ardrone_2	2.50E-05	7.98E-06
0.040000649			
9.543	ardrone_1	2.57E-05	-1.99999117
0.039997746			
9.543	ardrone_2	2.52E-05	8.65E-06
0.039997746			



9.545	ardrone_1	2.56E-05	-1.999991549
	0.040000435		
9.545	ardrone_2	2.50E-05	8.27E-06
	0.040000435		
9.546	ardrone_1	2.56E-05	-1.999992228
	0.039998075		
9.546	ardrone_2	2.51E-05	7.59E-06
	0.039998075		
9.547	ardrone_1	2.56E-05	-1.999991884
	0.040000865		
9.547	ardrone_2	2.50E-05	7.94E-06
	0.040000865		
9.548	ardrone_1	2.58E-05	-1.999991232
	0.039997681		
9.548	ardrone_2	2.52E-05	8.59E-06
	0.039997681		
9.549	ardrone_1	2.56E-05	-1.999991583
	0.040000285		
9.549	ardrone_2	2.50E-05	8.24E-06
	0.040000285		
9.55	ardrone_1	2.57E-05	-1.999992274
	0.039997313		
9.55	ardrone_2	2.51E-05	7.55E-06
	0.039997313		
9.551	ardrone_1	2.56E-05	-1.999991835
	0.040000649		
9.551	ardrone_2	2.50E-05	7.99E-06
	0.040000649		
9.552	ardrone_1	2.58E-05	-1.999991163
	0.039997746		
9.552	ardrone_2	2.52E-05	8.66E-06
	0.039997746		
9.553	ardrone_1	2.56E-05	-1.999991542
	0.040000435		
9.553	ardrone_2	2.50E-05	8.28E-06
	0.040000435		
9.554	ardrone_1	2.57E-05	-1.999992221
	0.039998075		
9.554	ardrone_2	2.51E-05	7.60E-06
	0.039998075		
9.555	ardrone_1	2.56E-05	-1.999991877
	0.040000865		

9.555	ardrone_2	2.51E-05	7.94E-06
	0.040000865		
9.556	ardrone_1	2.58E-05	-1.999991225
	0.039997681		
9.556	ardrone_2	2.53E-05	8.60E-06
	0.039997681		
9.557	ardrone_1	2.56E-05	-1.999991576
	0.040000285		
9.557	ardrone_2	2.51E-05	8.25E-06
	0.040000285		
9.558	ardrone_1	2.57E-05	-1.999992266
	0.039997313		
9.558	ardrone_2	2.51E-05	7.56E-06
	0.039997313		
9.559	ardrone_1	2.56E-05	-1.999991828
	0.040000649		
9.559	ardrone_2	2.50E-05	7.99E-06
	0.040000649		
9.56	ardrone_1	2.58E-05	-1.999991156
	0.039997746		
9.56	ardrone_2	2.52E-05	8.67E-06
	0.039997746		
9.561	ardrone_1	2.56E-05	-1.999991535
	0.040000435		
9.561	ardrone_2	2.51E-05	8.29E-06
	0.040000435		
9.562	ardrone_1	2.57E-05	-1.999992214
	0.039998075		
9.562	ardrone_2	2.51E-05	7.61E-06
	0.039998075		
9.563	ardrone_1	2.56E-05	-1.99999187
	0.040000865		
9.563	ardrone_2	2.51E-05	7.95E-06
	0.040000865		
9.564	ardrone_1	2.58E-05	-1.999991218
	0.039997681		
9.564	ardrone_2	2.53E-05	8.60E-06
	0.039997681		
9.565	ardrone_1	2.56E-05	-1.999991568
	0.040000285		
9.565	ardrone_2	2.51E-05	8.25E-06
	0.040000285		

9.566	ardrone_1	2.57E-05	-1.999992259
0.039997313			
9.566	ardrone_2	2.52E-05	7.56E-06
0.039997313			
9.567	ardrone_1	2.56E-05	-1.999991821
0.040000649			
9.567	ardrone_2	2.51E-05	8.00E-06
0.040000649			
9.568	ardrone_1	2.58E-05	-1.999991149
0.039997746			
9.568	ardrone_2	2.53E-05	8.67E-06
0.039997746			
9.569	ardrone_1	2.56E-05	-1.999991527
0.040000435			
9.569	ardrone_2	2.51E-05	8.29E-06
0.040000435			
9.57	ardrone_1	2.57E-05	-1.999992207
0.039998075			
9.57	ardrone_2	2.52E-05	7.62E-06
0.039998075			
9.571	ardrone_1	2.57E-05	-1.999991863
0.040000865			
9.571	ardrone_2	2.51E-05	7.96E-06
0.040000865			
9.572	ardrone_1	2.59E-05	-1.999991211
0.039997681			
9.572	ardrone_2	2.53E-05	8.61E-06
0.039997681			
9.573	ardrone_1	2.57E-05	-1.999991561
0.040000285			
9.573	ardrone_2	2.51E-05	8.26E-06
0.040000285			
9.574	ardrone_1	2.57E-05	-1.999992252
0.039997313			
9.574	ardrone_2	2.52E-05	7.57E-06
0.039997313			
9.575	ardrone_1	2.56E-05	-1.999991813
0.040000649			
9.575	ardrone_2	2.51E-05	8.01E-06
0.040000649			
9.576	ardrone_1	2.58E-05	-1.999991142
0.039997746			

9.576	ardrone_2	2.53E-05	8.68E-06
0.039997746			
9.577	ardrone_1	2.57E-05	-1.99999152
0.040000435			
9.577	ardrone_2	2.51E-05	8.30E-06
0.040000435			
9.578	ardrone_1	2.57E-05	-1.999992199
0.039998075			
9.578	ardrone_2	2.52E-05	7.62E-06
0.039998075			
9.579	ardrone_1	2.57E-05	-1.999991855
0.040000865			
9.579	ardrone_2	2.51E-05	7.97E-06
0.040000865			
9.58	ardrone_1	2.59E-05	-1.999991204
0.039997681			
9.58	ardrone_2	2.53E-05	8.62E-06
0.039997681			
9.581	ardrone_1	2.57E-05	-1.999991554
0.040000285			
9.581	ardrone_2	2.51E-05	8.27E-06
0.040000285			
9.582	ardrone_1	2.58E-05	-1.999992245
0.039997313			
9.582	ardrone_2	2.52E-05	7.58E-06
0.039997313			
9.583	ardrone_1	2.57E-05	-1.999991806
0.040000649			
9.583	ardrone_2	2.51E-05	8.02E-06
0.040000649			
9.584	ardrone_1	2.58E-05	-1.999991135
0.039997746			
9.584	ardrone_2	2.53E-05	8.69E-06
0.039997746			
9.585	ardrone_1	2.57E-05	-1.999991513
0.040000435			
9.585	ardrone_2	2.51E-05	8.31E-06
0.040000435			
9.586	ardrone_1	2.57E-05	-1.999992192
0.039998075			
9.586	ardrone_2	2.52E-05	7.63E-06
0.039998075			

9.587	ardrone_1	2.57E-05	-1.999991848
0.040000865			
9.587	ardrone_2	2.51E-05	7.97E-06
0.040000865			
9.588	ardrone_1	2.59E-05	-1.999991196
0.039997681			
9.588	ardrone_2	2.54E-05	8.63E-06
0.039997681			
9.589	ardrone_1	2.57E-05	-1.999991547
0.040000285			
9.589	ardrone_2	2.52E-05	8.27E-06
0.040000285			
9.589	ardrone_1	2.58E-05	-1.999992238
0.039997313			
9.589	ardrone_2	2.52E-05	7.58E-06
0.039997313			
9.591	ardrone_1	2.57E-05	-1.999991799
0.040000649			
9.591	ardrone_2	2.51E-05	8.02E-06
0.040000649			
9.592	ardrone_1	2.59E-05	-1.999991127
0.039997746			
9.592	ardrone_2	2.53E-05	8.69E-06
0.039997746			
9.593	ardrone_1	2.57E-05	-1.999991506
0.040000435			
9.593	ardrone_2	2.52E-05	8.32E-06
0.040000435			
9.594	ardrone_1	2.58E-05	-1.999992185
0.039998075			
9.594	ardrone_2	2.52E-05	7.64E-06
0.039998075			
9.595	ardrone_1	2.57E-05	-1.999991841
0.040000865			
9.595	ardrone_2	2.52E-05	7.98E-06
0.040000865			
9.596	ardrone_1	2.59E-05	-1.999991189
0.039997681			
9.596	ardrone_2	2.54E-05	8.63E-06
0.039997681			
9.597	ardrone_1	2.57E-05	-1.99999154
0.040000285			

9.597	ardrone_2	2.52E-05	8.28E-06
	0.040000285		
9.598	ardrone_1	2.58E-05	-1.999992231
	0.039997313		
9.598	ardrone_2	2.53E-05	7.59E-06
	0.039997313		
9.598	ardrone_1	2.57E-05	-1.999991792
	0.040000649		
9.598	ardrone_2	2.52E-05	8.03E-06
	0.040000649		
9.599	ardrone_1	2.59E-05	-1.99999112
	0.039997746		
9.599	ardrone_2	2.53E-05	8.70E-06
	0.039997746		
9.601	ardrone_1	2.57E-05	-1.999991499
	0.040000435		
9.601	ardrone_2	2.52E-05	8.32E-06
	0.040000435		
9.602	ardrone_1	2.58E-05	-1.999992178
	0.039998075		
9.602	ardrone_2	2.52E-05	7.64E-06
	0.039998075		
9.603	ardrone_1	2.57E-05	-1.999991834
	0.040000865		
9.603	ardrone_2	2.52E-05	7.99E-06
	0.040000865		
9.604	ardrone_1	2.59E-05	-1.999991182
	0.039997681		
9.604	ardrone_2	2.54E-05	8.64E-06
	0.039997681		
9.605	ardrone_1	2.57E-05	-1.999991533
	0.040000285		
9.605	ardrone_2	2.52E-05	8.29E-06
	0.040000285		
9.606	ardrone_1	2.58E-05	-1.999992224
	0.039997313		
9.606	ardrone_2	2.53E-05	7.60E-06
	0.039997313		
9.607	ardrone_1	2.57E-05	-1.999991785
	0.040000649		
9.607	ardrone_2	2.52E-05	8.04E-06
	0.040000649		

9.608	ardrone_1	2.59E-05	-1.999991113
	0.039997746		
9.608	ardrone_2	2.54E-05	8.71E-06
	0.039997746		
9.609	ardrone_1	2.57E-05	-1.999991492
	0.040000435		
9.609	ardrone_2	2.52E-05	8.33E-06
	0.040000435		
9.609	ardrone_1	2.58E-05	-1.999992171
	0.039998075		
9.609	ardrone_2	2.53E-05	7.65E-06
	0.039998075		
9.611	ardrone_1	2.58E-05	-1.999991827
	0.040000865		
9.611	ardrone_2	2.52E-05	7.99E-06
	0.040000865		
9.612	ardrone_1	2.60E-05	-1.999991175
	0.039997681		
9.612	ardrone_2	2.54E-05	8.65E-06
	0.039997681		
9.613	ardrone_1	2.58E-05	-1.999991526
	0.040000285		
9.613	ardrone_2	2.52E-05	8.30E-06
	0.040000285		
9.614	ardrone_1	2.58E-05	-1.999992217
	0.039997313		
9.614	ardrone_2	2.53E-05	7.61E-06
	0.039997313		
9.615	ardrone_1	2.57E-05	-1.999991778
	0.040000649		
9.615	ardrone_2	2.52E-05	8.04E-06
	0.040000649		
9.616	ardrone_1	2.59E-05	-1.999991106
	0.039997746		
9.616	ardrone_2	2.54E-05	8.72E-06
	0.039997746		
9.617	ardrone_1	2.58E-05	-1.999991485
	0.040000435		
9.617	ardrone_2	2.52E-05	8.34E-06
	0.040000435		
9.618	ardrone_1	2.58E-05	-1.999992164
	0.039998075		

9.618	ardrone_2	2.53E-05	7.66E-06
0.039998075			
9.619	ardrone_1	2.58E-05	-1.99999182
0.040000865			
9.619	ardrone_2	2.52E-05	8.00E-06
0.040000865			
9.62	ardrone_1	2.60E-05	-1.999991168
0.039997681			
9.62	ardrone_2	2.54E-05	8.65E-06
0.039997681			
9.621	ardrone_1	2.58E-05	-1.999991518
0.040000285			
9.621	ardrone_2	2.52E-05	8.30E-06
0.040000285			
9.622	ardrone_1	2.59E-05	-1.999992209
0.039997313			
9.622	ardrone_2	2.53E-05	7.61E-06
0.039997313			
9.623	ardrone_1	2.58E-05	-1.999991771
0.040000649			
9.623	ardrone_2	2.52E-05	8.05E-06
0.040000649			
9.624	ardrone_1	2.60E-05	-1.999991099
0.039997746			
9.624	ardrone_2	2.54E-05	8.72E-06
0.039997746			
9.625	ardrone_1	2.58E-05	-1.999991478
0.040000435			
9.625	ardrone_2	2.52E-05	8.34E-06
0.040000435			
9.626	ardrone_1	2.59E-05	-1.999992157
0.039998075			
9.626	ardrone_2	2.53E-05	7.67E-06
0.039998075			
9.627	ardrone_1	2.58E-05	-1.999991813
0.040000865			
9.627	ardrone_2	2.53E-05	8.01E-06
0.040000865			
9.628	ardrone_1	2.60E-05	-1.999991161
0.039997681			
9.628	ardrone_2	2.55E-05	8.66E-06
0.039997681			



9.629	ardrone_1	2.58E-05	-1.999991511
	0.040000285		
9.629	ardrone_2	2.53E-05	8.31E-06
	0.040000285		
9.63	ardrone_1	2.59E-05	-1.999992202
	0.039997313		
9.63	ardrone_2	2.53E-05	7.62E-06
	0.039997313		
9.631	ardrone_1	2.58E-05	-1.999991763
	0.040000649		
9.631	ardrone_2	2.52E-05	8.06E-06
	0.040000649		
9.632	ardrone_1	2.60E-05	-1.999991092
	0.039997746		
9.632	ardrone_2	2.54E-05	8.73E-06
	0.039997746		
9.633	ardrone_1	2.58E-05	-1.99999147
	0.040000435		
9.633	ardrone_2	2.53E-05	8.35E-06
	0.040000435		
9.634	ardrone_1	2.59E-05	-1.99999215
	0.039998075		
9.634	ardrone_2	2.53E-05	7.67E-06
	0.039998075		
9.635	ardrone_1	2.58E-05	-1.999991806
	0.040000865		
9.635	ardrone_2	2.53E-05	8.02E-06
	0.040000865		
9.636	ardrone_1	2.60E-05	-1.999991154
	0.039997681		
9.636	ardrone_2	2.55E-05	8.67E-06
	0.039997681		
9.637	ardrone_1	2.58E-05	-1.999991504
	0.040000285		
9.637	ardrone_2	2.53E-05	8.32E-06
	0.040000285		
9.638	ardrone_1	2.59E-05	-1.999992195
	0.039997313		
9.638	ardrone_2	2.54E-05	7.63E-06
	0.039997313		
9.639	ardrone_1	2.58E-05	-1.999991756
	0.040000649		

9.639	ardrone_2	2.53E-05	8.07E-06
0.040000649			
9.64	ardrone_1	2.60E-05	-1.999991085
0.039997746			
9.64	ardrone_2	2.55E-05	8.74E-06
0.039997746			
9.641	ardrone_1	2.58E-05	-1.999991463
0.040000435			
9.641	ardrone_2	2.53E-05	8.36E-06
0.040000435			
9.642	ardrone_1	2.59E-05	-1.999992142
0.039998075			
9.642	ardrone_2	2.54E-05	7.68E-06
0.039998075			
9.643	ardrone_1	2.58E-05	-1.999991798
0.040000865			
9.643	ardrone_2	2.53E-05	8.02E-06
0.040000865			
9.644	ardrone_1	2.61E-05	-1.999991146
0.039997681			
9.644	ardrone_2	2.55E-05	8.68E-06
0.039997681			
9.645	ardrone_1	2.59E-05	-1.999991497
0.040000285			
9.645	ardrone_2	2.53E-05	8.32E-06
0.040000285			
9.646	ardrone_1	2.59E-05	-1.999992188
0.039997313			
9.646	ardrone_2	2.54E-05	7.63E-06
0.039997313			
9.647	ardrone_1	2.58E-05	-1.999991749
0.040000649			
9.647	ardrone_2	2.53E-05	8.07E-06
0.040000649			
9.648	ardrone_1	2.60E-05	-1.999991077
0.039997746			
9.648	ardrone_2	2.55E-05	8.74E-06
0.039997746			
9.649	ardrone_1	2.59E-05	-1.999991456
0.040000435			
9.649	ardrone_2	2.53E-05	8.37E-06
0.040000435			

9.65	ardrone_1	2.59E-05	-1.999992135
	0.039998075		
9.65	ardrone_2	2.54E-05	7.69E-06
	0.039998075		
9.651	ardrone_1	2.59E-05	-1.999991791
	0.040000865		
9.651	ardrone_2	2.53E-05	8.03E-06
	0.040000865		
9.652	ardrone_1	2.61E-05	-1.999991139
	0.039997681		
9.652	ardrone_2	2.55E-05	8.68E-06
	0.039997681		
9.653	ardrone_1	2.59E-05	-1.99999149
	0.040000285		
9.653	ardrone_2	2.53E-05	8.33E-06
	0.040000285		
9.654	ardrone_1	2.60E-05	-1.999992181
	0.039997313		
9.654	ardrone_2	2.54E-05	7.64E-06
	0.039997313		
9.655	ardrone_1	2.59E-05	-1.999991742
	0.040000649		
9.655	ardrone_2	2.53E-05	8.08E-06
	0.040000649		
9.656	ardrone_1	2.60E-05	-1.99999107
	0.039997746		
9.656	ardrone_2	2.55E-05	8.75E-06
	0.039997746		
9.657	ardrone_1	2.59E-05	-1.999991449
	0.040000435		
9.657	ardrone_2	2.53E-05	8.37E-06
	0.040000435		
9.658	ardrone_1	2.59E-05	-1.999992128
	0.039998075		
9.658	ardrone_2	2.54E-05	7.69E-06
	0.039998075		
9.659	ardrone_1	2.59E-05	-1.999991784
	0.040000865		
9.659	ardrone_2	2.53E-05	8.04E-06
	0.040000865		
9.66	ardrone_1	2.61E-05	-1.999991132
	0.039997681		

9.66	ardrone_2	2.55E-05	8.69E-06
	0.039997681		
9.661	ardrone_1	2.59E-05	-1.999991483
	0.040000285		
9.661	ardrone_2	2.54E-05	8.34E-06
	0.040000285		
9.662	ardrone_1	2.60E-05	-1.999992174
	0.039997313		
9.662	ardrone_2	2.54E-05	7.65E-06
	0.039997313		
9.663	ardrone_1	2.59E-05	-1.999991735
	0.040000649		
9.663	ardrone_2	2.53E-05	8.09E-06
	0.040000649		
9.664	ardrone_1	2.61E-05	-1.999991063
	0.039997746		
9.664	ardrone_2	2.55E-05	8.76E-06
	0.039997746		
9.665	ardrone_1	2.59E-05	-1.999991442
	0.040000435		
9.665	ardrone_2	2.53E-05	8.38E-06
	0.040000435		
9.666	ardrone_1	2.60E-05	-1.999992121
	0.039998075		
9.666	ardrone_2	2.54E-05	7.70E-06
	0.039998075		
9.667	ardrone_1	2.59E-05	-1.999991777
	0.040000865		
9.667	ardrone_2	2.54E-05	8.04E-06
	0.040000865		
9.668	ardrone_1	2.61E-05	-1.999991125
	0.039997681		
9.668	ardrone_2	2.56E-05	8.70E-06
	0.039997681		
9.669	ardrone_1	2.59E-05	-1.999991476
	0.040000285		
9.669	ardrone_2	2.54E-05	8.35E-06
	0.040000285		
9.67	ardrone_1	2.60E-05	-1.999992167
	0.039997313		
9.67	ardrone_2	2.55E-05	7.66E-06
	0.039997313		

9.671	ardrone_1	2.59E-05	-1.999991728
0.040000649			
9.671	ardrone_2	2.54E-05	8.09E-06
0.040000649			
9.671	ardrone_1	2.61E-05	-1.999991056
0.039997746			
9.671	ardrone_2	2.55E-05	8.77E-06
0.039997746			
9.673	ardrone_1	2.59E-05	-1.999991435
0.040000435			
9.673	ardrone_2	2.54E-05	8.39E-06
0.040000435			
9.674	ardrone_1	2.60E-05	-1.999992114
0.039998075			
9.674	ardrone_2	2.54E-05	7.71E-06
0.039998075			
9.675	ardrone_1	2.59E-05	-1.99999177
0.040000865			
9.675	ardrone_2	2.54E-05	8.05E-06
0.040000865			
9.676	ardrone_1	2.61E-05	-1.999991118
0.039997681			
9.676	ardrone_2	2.56E-05	8.70E-06
0.039997681			
9.677	ardrone_1	2.59E-05	-1.999991469
0.040000285			
9.677	ardrone_2	2.54E-05	8.35E-06
0.040000285			
9.678	ardrone_1	2.60E-05	-1.99999216
0.039997313			
9.678	ardrone_2	2.55E-05	7.66E-06
0.039997313			
9.679	ardrone_1	2.59E-05	-1.999991721
0.040000649			
9.679	ardrone_2	2.54E-05	8.10E-06
0.040000649			
9.68	ardrone_1	2.61E-05	-1.999991049
0.039997746			
9.68	ardrone_2	2.56E-05	8.77E-06
0.039997746			
9.681	ardrone_1	2.59E-05	-1.999991428
0.040000435			

9.681	ardrone_2	2.54E-05	8.39E-06
	0.040000435		
9.682	ardrone_1	2.60E-05	-1.999992107
	0.039998075		
9.682	ardrone_2	2.55E-05	7.72E-06
	0.039998075		
9.683	ardrone_1	2.60E-05	-1.999991763
	0.040000865		
9.683	ardrone_2	2.54E-05	8.06E-06
	0.040000865		
9.684	ardrone_1	2.62E-05	-1.999991111
	0.039997681		
9.684	ardrone_2	2.56E-05	8.71E-06
	0.039997681		
9.685	ardrone_1	2.60E-05	-1.999991461
	0.040000285		
9.685	ardrone_2	2.54E-05	8.36E-06
	0.040000285		
9.686	ardrone_1	2.60E-05	-1.999992152
	0.039997313		
9.686	ardrone_2	2.55E-05	7.67E-06
	0.039997313		
9.686	ardrone_1	2.59E-05	-1.999991714
	0.040000649		
9.686	ardrone_2	2.54E-05	8.11E-06
	0.040000649		
9.688	ardrone_1	2.61E-05	-1.999991042
	0.039997746		
9.688	ardrone_2	2.56E-05	8.78E-06
	0.039997746		
9.689	ardrone_1	2.60E-05	-1.99999142
	0.040000435		
9.689	ardrone_2	2.54E-05	8.40E-06
	0.040000435		
9.69	ardrone_1	2.60E-05	-1.9999921
	0.039998075		
9.69	ardrone_2	2.55E-05	7.72E-06
	0.039998075		
9.691	ardrone_1	2.60E-05	-1.999991756
	0.040000865		
9.691	ardrone_2	2.54E-05	8.07E-06
	0.040000865		

9.692	ardrone_1	2.62E-05	-1.999991104
	0.039997681		
9.692	ardrone_2	2.56E-05	8.72E-06
	0.039997681		
9.693	ardrone_1	2.60E-05	-1.999991454
	0.040000285		
9.693	ardrone_2	2.54E-05	8.37E-06
	0.040000285		
9.694	ardrone_1	2.61E-05	-1.999992145
	0.039997313		
9.694	ardrone_2	2.55E-05	7.68E-06
	0.039997313		
9.695	ardrone_1	2.60E-05	-1.999991706
	0.040000649		
9.695	ardrone_2	2.54E-05	8.12E-06
	0.040000649		
9.695	ardrone_1	2.62E-05	-1.999991035
	0.039997746		
9.695	ardrone_2	2.56E-05	8.79E-06
	0.039997746		
9.697	ardrone_1	2.60E-05	-1.999991413
	0.040000435		
9.697	ardrone_2	2.54E-05	8.41E-06
	0.040000435		
9.698	ardrone_1	2.61E-05	-1.999992092
	0.039998075		
9.698	ardrone_2	2.55E-05	7.73E-06
	0.039998075		
9.699	ardrone_1	2.60E-05	-1.999991748
	0.040000865		
9.699	ardrone_2	2.55E-05	8.07E-06
	0.040000865		
9.7	ardrone_1	2.62E-05	-1.999991097
	0.039997681		
9.7	ardrone_2	2.57E-05	8.73E-06
	0.039997681		
9.701	ardrone_1	2.60E-05	-1.999991447
	0.040000285		
9.701	ardrone_2	2.55E-05	8.37E-06
	0.040000285		
9.702	ardrone_1	2.61E-05	-1.999992138
	0.039997313		

9.702	ardrone_2	2.55E-05	7.68E-06
0.039997313			
9.703	ardrone_1	2.60E-05	-1.999991699
0.040000649			
9.703	ardrone_2	2.54E-05	8.12E-06
0.040000649			
9.704	ardrone_1	2.62E-05	-1.999991028
0.039997746			
9.704	ardrone_2	2.56E-05	8.79E-06
0.039997746			
9.705	ardrone_1	2.60E-05	-1.999991406
0.040000435			
9.705	ardrone_2	2.55E-05	8.42E-06
0.040000435			
9.706	ardrone_1	2.61E-05	-1.999992085
0.039998075			
9.706	ardrone_2	2.55E-05	7.74E-06
0.039998075			
9.707	ardrone_1	2.60E-05	-1.999991741
0.040000865			
9.707	ardrone_2	2.55E-05	8.08E-06
0.040000865			
9.708	ardrone_1	2.62E-05	-1.999991089
0.039997681			
9.708	ardrone_2	2.57E-05	8.73E-06
0.039997681			
9.709	ardrone_1	2.60E-05	-1.99999144
0.040000285			
9.709	ardrone_2	2.55E-05	8.38E-06
0.040000285			
9.71	ardrone_1	2.61E-05	-1.999992131
0.039997313			
9.71	ardrone_2	2.56E-05	7.69E-06
0.039997313			
9.711	ardrone_1	2.60E-05	-1.999991692
0.040000649			
9.711	ardrone_2	2.55E-05	8.13E-06
0.040000649			
9.711	ardrone_1	2.62E-05	-1.99999102
0.039997746			
9.711	ardrone_2	2.57E-05	8.80E-06
0.039997746			



9.713	ardrone_1	2.60E-05	-1.999991399
0.040000435			
9.713	ardrone_2	2.55E-05	8.42E-06
0.040000435			
9.714	ardrone_1	2.61E-05	-1.999992078
0.039998075			
9.714	ardrone_2	2.55E-05	7.74E-06
0.039998075			
9.715	ardrone_1	2.60E-05	-1.999991734
0.040000865			
9.715	ardrone_2	2.55E-05	8.09E-06
0.040000865			
9.716	ardrone_1	2.62E-05	-1.999991082
0.039997681			
9.716	ardrone_2	2.57E-05	8.74E-06
0.039997681			
9.717	ardrone_1	2.61E-05	-1.999991433
0.040000285			
9.717	ardrone_2	2.55E-05	8.39E-06
0.040000285			
9.718	ardrone_1	2.61E-05	-1.999992124
0.039997313			
9.718	ardrone_2	2.56E-05	7.70E-06
0.039997313			
9.719	ardrone_1	2.60E-05	-1.999991685
0.040000649			
9.719	ardrone_2	2.55E-05	8.14E-06
0.040000649			
9.72	ardrone_1	2.62E-05	-1.999991013
0.039997746			
9.72	ardrone_2	2.57E-05	8.81E-06
0.039997746			
9.721	ardrone_1	2.60E-05	-1.999991392
0.040000435			
9.721	ardrone_2	2.55E-05	8.43E-06
0.040000435			
9.722	ardrone_1	2.61E-05	-1.999992071
0.039998075			
9.722	ardrone_2	2.56E-05	7.75E-06
0.039998075			
9.723	ardrone_1	2.61E-05	-1.999991727
0.040000865			

9.723	ardrone_2	2.55E-05	8.09E-06
0.040000865			
9.724	ardrone_1	2.63E-05	-1.999991075
0.039997681			
9.724	ardrone_2	2.57E-05	8.75E-06
0.039997681			
9.725	ardrone_1	2.61E-05	-1.999991426
0.040000285			
9.725	ardrone_2	2.55E-05	8.40E-06
0.040000285			
9.726	ardrone_1	2.62E-05	-1.999992117
0.039997313			
9.726	ardrone_2	2.56E-05	7.71E-06
0.039997313			
9.727	ardrone_1	2.61E-05	-1.999991678
0.040000649			
9.727	ardrone_2	2.55E-05	8.14E-06
0.040000649			
9.728	ardrone_1	2.62E-05	-1.999991006
0.039997746			
9.728	ardrone_2	2.57E-05	8.82E-06
0.039997746			
9.729	ardrone_1	2.61E-05	-1.999991385
0.040000435			
9.729	ardrone_2	2.55E-05	8.44E-06
0.040000435			
9.73	ardrone_1	2.61E-05	-1.999992064
0.039998075			
9.73	ardrone_2	2.56E-05	7.76E-06
0.039998075			
9.731	ardrone_1	2.61E-05	-1.99999172
0.040000865			
9.731	ardrone_2	2.55E-05	8.10E-06
0.040000865			
9.732	ardrone_1	2.63E-05	-1.999991068
0.039997681			
9.732	ardrone_2	2.57E-05	8.75E-06
0.039997681			
9.733	ardrone_1	2.61E-05	-1.999991419
0.040000285			
9.733	ardrone_2	2.55E-05	8.40E-06
0.040000285			

9.734	ardrone_1	2.62E-05	-1.99999211
	0.039997313		
9.734	ardrone_2	2.56E-05	7.71E-06
	0.039997313		
9.735	ardrone_1	2.61E-05	-1.999991671
	0.040000649		
9.735	ardrone_2	2.55E-05	8.15E-06
	0.040000649		
9.736	ardrone_1	2.63E-05	-1.999990999
	0.039997746		
9.736	ardrone_2	2.57E-05	8.82E-06
	0.039997746		
9.736	ardrone_1	2.61E-05	-1.999991378
	0.040000435		
9.736	ardrone_2	2.55E-05	8.44E-06
	0.040000435		
9.738	ardrone_1	2.62E-05	-1.999992057
	0.039998075		
9.738	ardrone_2	2.56E-05	7.76E-06
	0.039998075		
9.739	ardrone_1	2.61E-05	-1.999991713
	0.040000865		
9.739	ardrone_2	2.56E-05	8.11E-06
	0.040000865		
9.74	ardrone_1	2.63E-05	-1.999991061
	0.039997681		
9.74	ardrone_2	2.58E-05	8.76E-06
	0.039997681		
9.741	ardrone_1	2.61E-05	-1.999991412
	0.040000285		
9.741	ardrone_2	2.56E-05	8.41E-06
	0.040000285		
9.742	ardrone_1	2.62E-05	-1.999992102
	0.039997313		
9.742	ardrone_2	2.57E-05	7.72E-06
	0.039997313		
9.743	ardrone_1	2.61E-05	-1.999991664
	0.040000649		
9.743	ardrone_2	2.56E-05	8.16E-06
	0.040000649		
9.744	ardrone_1	2.63E-05	-1.999990992
	0.039997746		

9.744	ardrone_2	2.57E-05	8.83E-06
0.039997746			
9.745	ardrone_1	2.61E-05	-1.999991371
0.040000435			
9.745	ardrone_2	2.56E-05	8.45E-06
0.040000435			
9.746	ardrone_1	2.62E-05	-1.99999205
0.039998075			
9.746	ardrone_2	2.56E-05	7.77E-06
0.039998075			
9.747	ardrone_1	2.61E-05	-1.999991706
0.040000865			
9.747	ardrone_2	2.56E-05	8.12E-06
0.040000865			
9.747	ardrone_1	2.63E-05	-1.999991054
0.039997681			
9.747	ardrone_2	2.58E-05	8.77E-06
0.039997681			
9.749	ardrone_1	2.61E-05	-1.999991404
0.040000285			
9.749	ardrone_2	2.56E-05	8.42E-06
0.040000285			
9.75	ardrone_1	2.62E-05	-1.999992095
0.039997313			
9.75	ardrone_2	2.57E-05	7.73E-06
0.039997313			
9.751	ardrone_1	2.61E-05	-1.999991657
0.040000649			
9.751	ardrone_2	2.56E-05	8.17E-06
0.040000649			
9.752	ardrone_1	2.63E-05	-1.999990985
0.039997746			
9.752	ardrone_2	2.58E-05	8.84E-06
0.039997746			
9.753	ardrone_1	2.61E-05	-1.999991363
0.040000435			
9.753	ardrone_2	2.56E-05	8.46E-06
0.040000435			
9.754	ardrone_1	2.62E-05	-1.999992043
0.039998075			
9.754	ardrone_2	2.57E-05	7.78E-06
0.039998075			

9.755	ardrone_1	2.62E-05	-1.999991699
	0.040000865		
9.755	ardrone_2	2.56E-05	8.12E-06
	0.040000865		
9.756	ardrone_1	2.64E-05	-1.999991047
	0.039997681		
9.756	ardrone_2	2.58E-05	8.78E-06
	0.039997681		
9.757	ardrone_1	2.62E-05	-1.999991397
	0.040000285		
9.757	ardrone_2	2.56E-05	8.42E-06
	0.040000285		
9.758	ardrone_1	2.62E-05	-1.999992088
	0.039997313		
9.758	ardrone_2	2.57E-05	7.73E-06
	0.039997313		
9.759	ardrone_1	2.61E-05	-1.999991649
	0.040000649		
9.759	ardrone_2	2.56E-05	8.17E-06
	0.040000649		
9.76	ardrone_1	2.63E-05	-1.999990978
	0.039997746		
9.76	ardrone_2	2.58E-05	8.84E-06
	0.039997746		
9.761	ardrone_1	2.62E-05	-1.999991356
	0.040000435		
9.761	ardrone_2	2.56E-05	8.47E-06
	0.040000435		
9.762	ardrone_1	2.62E-05	-1.999992035
	0.039998075		
9.762	ardrone_2	2.57E-05	7.79E-06
	0.039998075		
9.763	ardrone_1	2.62E-05	-1.999991691
	0.040000865		
9.763	ardrone_2	2.56E-05	8.13E-06
	0.040000865		
9.764	ardrone_1	2.64E-05	-1.99999104
	0.039997681		
9.764	ardrone_2	2.58E-05	8.78E-06
	0.039997681		
9.765	ardrone_1	2.62E-05	-1.99999139
	0.040000285		

9.765	ardrone_2	2.56E-05	8.43E-06
0.040000285			
9.766	ardrone_1	2.63E-05	-1.999992081
0.039997313			
9.766	ardrone_2	2.57E-05	7.74E-06
0.039997313			
9.766	ardrone_1	2.62E-05	-1.999991642
0.040000649			
9.766	ardrone_2	2.56E-05	8.18E-06
0.040000649			
9.767	ardrone_1	2.64E-05	-1.999990971
0.039997746			
9.767	ardrone_2	2.58E-05	8.85E-06
0.039997746			
9.769	ardrone_1	2.62E-05	-1.999991349
0.040000435			
9.769	ardrone_2	2.56E-05	8.47E-06
0.040000435			
9.77	ardrone_1	2.62E-05	-1.999992028
0.039998075			
9.77	ardrone_2	2.57E-05	7.79E-06
0.039998075			
9.771	ardrone_1	2.62E-05	-1.999991684
0.040000865			
9.771	ardrone_2	2.57E-05	8.14E-06
0.040000865			
9.772	ardrone_1	2.64E-05	-1.999991032
0.039997681			
9.772	ardrone_2	2.59E-05	8.79E-06
0.039997681			
9.773	ardrone_1	2.62E-05	-1.999991383
0.040000285			
9.773	ardrone_2	2.57E-05	8.44E-06
0.040000285			
9.774	ardrone_1	2.63E-05	-1.999992074
0.039997313			
9.774	ardrone_2	2.57E-05	7.75E-06
0.039997313			
9.775	ardrone_1	2.62E-05	-1.999991635
0.040000649			
9.775	ardrone_2	2.56E-05	8.19E-06
0.040000649			

9.776	ardrone_1	2.64E-05	-1.999990963
	0.039997746		
9.776	ardrone_2	2.58E-05	8.86E-06
	0.039997746		
9.776	ardrone_1	2.62E-05	-1.999991342
	0.040000435		
9.776	ardrone_2	2.57E-05	8.48E-06
	0.040000435		
9.778	ardrone_1	2.63E-05	-1.999992021
	0.039998075		
9.778	ardrone_2	2.57E-05	7.80E-06
	0.039998075		
9.779	ardrone_1	2.62E-05	-1.999991677
	0.040000865		
9.779	ardrone_2	2.57E-05	8.14E-06
	0.040000865		
9.779	ardrone_1	2.64E-05	-1.999991025
	0.039997681		
9.779	ardrone_2	2.59E-05	8.80E-06
	0.039997681		
9.781	ardrone_1	2.62E-05	-1.999991376
	0.040000285		
9.781	ardrone_2	2.57E-05	8.45E-06
	0.040000285		
9.782	ardrone_1	2.63E-05	-1.999992067
	0.039997313		
9.782	ardrone_2	2.58E-05	7.75E-06
	0.039997313		
9.783	ardrone_1	2.62E-05	-1.999991628
	0.040000649		
9.783	ardrone_2	2.57E-05	8.19E-06
	0.040000649		
9.784	ardrone_1	2.64E-05	-1.999990956
	0.039997746		
9.784	ardrone_2	2.58E-05	8.87E-06
	0.039997746		
9.785	ardrone_1	2.62E-05	-1.999991335
	0.040000435		
9.785	ardrone_2	2.57E-05	8.49E-06
	0.040000435		
9.786	ardrone_1	2.63E-05	-1.999992014
	0.039998075		

9.786	ardrone_2	2.57E-05	7.81E-06
0.039998075			
9.787	ardrone_1	2.62E-05	-1.99999167
0.040000865			
9.787	ardrone_2	2.57E-05	8.15E-06
0.040000865			
9.788	ardrone_1	2.64E-05	-1.999991018
0.039997681			
9.788	ardrone_2	2.59E-05	8.80E-06
0.039997681			
9.789	ardrone_1	2.62E-05	-1.999991369
0.040000285			
9.789	ardrone_2	2.57E-05	8.45E-06
0.040000285			
9.79	ardrone_1	2.63E-05	-1.99999206
0.039997313			
9.79	ardrone_2	2.58E-05	7.76E-06
0.039997313			
9.791	ardrone_1	2.62E-05	-1.999991621
0.040000649			
9.791	ardrone_2	2.57E-05	8.20E-06
0.040000649			
9.792	ardrone_1	2.64E-05	-1.999990949
0.039997746			
9.792	ardrone_2	2.59E-05	8.87E-06
0.039997746			
9.793	ardrone_1	2.62E-05	-1.999991328
0.040000435			
9.793	ardrone_2	2.57E-05	8.49E-06
0.040000435			
9.794	ardrone_1	2.63E-05	-1.999992007
0.039998075			
9.794	ardrone_2	2.58E-05	7.81E-06
0.039998075			
9.795	ardrone_1	2.63E-05	-1.999991663
0.040000865			
9.795	ardrone_2	2.57E-05	8.16E-06
0.040000865			
9.795	ardrone_1	2.65E-05	-1.999991011
0.039997681			
9.795	ardrone_2	2.59E-05	8.81E-06
0.039997681			



9.797	ardrone_1	2.63E-05	-1.999991362
	0.040000285		
9.797	ardrone_2	2.57E-05	8.46E-06
	0.040000285		
9.798	ardrone_1	2.64E-05	-1.999992053
	0.039997313		
9.798	ardrone_2	2.58E-05	7.77E-06
	0.039997313		
9.799	ardrone_1	2.63E-05	-1.999991614
	0.040000649		
9.799	ardrone_2	2.57E-05	8.21E-06
	0.040000649		
9.8	ardrone_1	2.64E-05	-1.999990942
	0.039997746		
9.8	ardrone_2	2.59E-05	8.88E-06
	0.039997746		
9.801	ardrone_1	2.63E-05	-1.999991321
	0.040000435		
9.801	ardrone_2	2.57E-05	8.50E-06
	0.040000435		
9.802	ardrone_1	2.63E-05	-1.999992
	0.039998075		
9.802	ardrone_2	2.58E-05	7.82E-06
	0.039998075		
9.803	ardrone_1	2.63E-05	-1.999991656
	0.040000865		
9.803	ardrone_2	2.57E-05	8.17E-06
	0.040000865		
9.804	ardrone_1	2.65E-05	-1.999991004
	0.039997681		
9.804	ardrone_2	2.59E-05	8.82E-06
	0.039997681		
9.805	ardrone_1	2.63E-05	-1.999991354
	0.040000285		
9.805	ardrone_2	2.57E-05	8.47E-06
	0.040000285		
9.806	ardrone_1	2.64E-05	-1.999992045
	0.039997313		
9.806	ardrone_2	2.58E-05	7.78E-06
	0.039997313		
9.807	ardrone_1	2.63E-05	-1.999991607
	0.040000649		

9.807	ardrone_2	2.57E-05	8.22E-06
0.040000649			
9.808	ardrone_1	2.65E-05	-1.999990935
0.039997746			
9.808	ardrone_2	2.59E-05	8.89E-06
0.039997746			
9.809	ardrone_1	2.63E-05	-1.999991314
0.040000435			
9.809	ardrone_2	2.57E-05	8.51E-06
0.040000435			
9.81	ardrone_1	2.64E-05	-1.999991993
0.039998075			
9.81	ardrone_2	2.58E-05	7.83E-06
0.039998075			
9.811	ardrone_1	2.63E-05	-1.999991649
0.040000865			
9.811	ardrone_2	2.58E-05	8.17E-06
0.040000865			
9.812	ardrone_1	2.65E-05	-1.999990997
0.039997681			
9.812	ardrone_2	2.60E-05	8.83E-06
0.039997681			
9.813	ardrone_1	2.63E-05	-1.999991347
0.040000285			
9.813	ardrone_2	2.58E-05	8.47E-06
0.040000285			
9.814	ardrone_1	2.64E-05	-1.999992038
0.039997313			
9.814	ardrone_2	2.58E-05	7.78E-06
0.039997313			
9.815	ardrone_1	2.63E-05	-1.999991599
0.040000649			
9.815	ardrone_2	2.57E-05	8.22E-06
0.040000649			
9.816	ardrone_1	2.65E-05	-1.999990928
0.039997746			
9.816	ardrone_2	2.59E-05	8.89E-06
0.039997746			
9.817	ardrone_1	2.63E-05	-1.999991306
0.040000435			
9.817	ardrone_2	2.58E-05	8.52E-06
0.040000435			

9.818	ardrone_1	2.64E-05	-1.999991986
	0.039998075		
9.818	ardrone_2	2.58E-05	7.84E-06
	0.039998075		
9.819	ardrone_1	2.63E-05	-1.999991642
	0.040000865		
9.819	ardrone_2	2.58E-05	8.18E-06
	0.040000865		
9.82	ardrone_1	2.65E-05	-1.99999099
	0.039997681		
9.82	ardrone_2	2.60E-05	8.83E-06
	0.039997681		
9.821	ardrone_1	2.63E-05	-1.99999134
	0.040000285		
9.821	ardrone_2	2.58E-05	8.48E-06
	0.040000285		
9.822	ardrone_1	2.64E-05	-1.999992031
	0.039997313		
9.822	ardrone_2	2.59E-05	7.79E-06
	0.039997313		
9.823	ardrone_1	2.63E-05	-1.999991592
	0.040000649		
9.823	ardrone_2	2.58E-05	8.23E-06
	0.040000649		
9.824	ardrone_1	2.65E-05	-1.999990921
	0.039997746		
9.824	ardrone_2	2.60E-05	8.90E-06
	0.039997746		
9.825	ardrone_1	2.63E-05	-1.999991299
	0.040000435		
9.825	ardrone_2	2.58E-05	8.52E-06
	0.040000435		
9.826	ardrone_1	2.64E-05	-1.999991978
	0.039998075		
9.826	ardrone_2	2.59E-05	7.84E-06
	0.039998075		
9.827	ardrone_1	2.64E-05	-1.999991634
	0.040000865		
9.827	ardrone_2	2.58E-05	8.19E-06
	0.040000865		
9.828	ardrone_1	2.66E-05	-1.999990982
	0.039997681		

9.828	ardrone_2	2.60E-05	8.84E-06
0.039997681			
9.829	ardrone_1	2.64E-05	-1.999991333
0.040000285			
9.829	ardrone_2	2.58E-05	8.49E-06
0.040000285			
9.83	ardrone_1	2.64E-05	-1.999992024
0.039997313			
9.83	ardrone_2	2.59E-05	7.80E-06
0.039997313			
9.831	ardrone_1	2.63E-05	-1.999991585
0.040000649			
9.831	ardrone_2	2.58E-05	8.24E-06
0.040000649			
9.832	ardrone_1	2.65E-05	-1.999990913
0.039997746			
9.832	ardrone_2	2.60E-05	8.91E-06
0.039997746			
9.833	ardrone_1	2.64E-05	-1.999991292
0.040000435			
9.833	ardrone_2	2.58E-05	8.53E-06
0.040000435			
9.834	ardrone_1	2.64E-05	-1.999991971
0.039998075			
9.834	ardrone_2	2.59E-05	7.85E-06
0.039998075			
9.835	ardrone_1	2.64E-05	-1.999991627
0.040000865			
9.835	ardrone_2	2.58E-05	8.19E-06
0.040000865			
9.836	ardrone_1	2.66E-05	-1.999990975
0.039997681			
9.836	ardrone_2	2.60E-05	8.85E-06
0.039997681			
9.837	ardrone_1	2.64E-05	-1.999991326
0.040000285			
9.837	ardrone_2	2.58E-05	8.50E-06
0.040000285			
9.838	ardrone_1	2.65E-05	-1.999992017
0.039997313			
9.838	ardrone_2	2.59E-05	7.80E-06
0.039997313			

9.839	ardrone_1	2.64E-05	-1.999991578
0.040000649			
9.839	ardrone_2	2.58E-05	8.24E-06
0.040000649			
9.84	ardrone_1	2.65E-05	-1.999990906
0.039997746			
9.84	ardrone_2	2.60E-05	8.92E-06
0.039997746			
9.841	ardrone_1	2.64E-05	-1.999991285
0.040000435			
9.841	ardrone_2	2.58E-05	8.54E-06
0.040000435			
9.842	ardrone_1	2.64E-05	-1.999991964
0.039998075			
9.842	ardrone_2	2.59E-05	7.86E-06
0.039998075			
9.843	ardrone_1	2.64E-05	-1.99999162
0.040000865			
9.843	ardrone_2	2.58E-05	8.20E-06
0.040000865			
9.844	ardrone_1	2.66E-05	-1.999990968
0.039997681			
9.844	ardrone_2	2.61E-05	8.85E-06
0.039997681			
9.845	ardrone_1	2.64E-05	-1.999991319
0.040000285			
9.845	ardrone_2	2.59E-05	8.50E-06
0.040000285			
9.846	ardrone_1	2.65E-05	-1.99999201
0.039997313			
9.846	ardrone_2	2.59E-05	7.81E-06
0.039997313			
9.847	ardrone_1	2.64E-05	-1.999991571
0.040000649			
9.847	ardrone_2	2.58E-05	8.25E-06
0.040000649			
9.848	ardrone_1	2.66E-05	-1.999990899
0.039997746			
9.848	ardrone_2	2.60E-05	8.92E-06
0.039997746			
9.849	ardrone_1	2.64E-05	-1.999991278
0.040000435			

9.849	ardrone_2	2.59E-05	8.54E-06
0.040000435			
9.85	ardrone_1	2.65E-05	-1.999991957
0.039998075			
9.85	ardrone_2	2.59E-05	7.86E-06
0.039998075			
9.851	ardrone_1	2.64E-05	-1.999991613
0.040000865			
9.851	ardrone_2	2.59E-05	8.21E-06
0.040000865			
9.852	ardrone_1	2.66E-05	-1.999990961
0.039997681			
9.852	ardrone_2	2.61E-05	8.86E-06
0.039997681			
9.853	ardrone_1	2.64E-05	-1.999991312
0.040000285			
9.853	ardrone_2	2.59E-05	8.51E-06
0.040000285			
9.854	ardrone_1	2.65E-05	-1.999992003
0.039997313			
9.854	ardrone_2	2.60E-05	7.82E-06
0.039997313			
9.855	ardrone_1	2.64E-05	-1.999991564
0.040000649			
9.855	ardrone_2	2.59E-05	8.26E-06
0.040000649			
9.856	ardrone_1	2.66E-05	-1.999990892
0.039997746			
9.856	ardrone_2	2.60E-05	8.93E-06
0.039997746			
9.857	ardrone_1	2.64E-05	-1.999991271
0.040000435			
9.857	ardrone_2	2.59E-05	8.55E-06
0.040000435			
9.858	ardrone_1	2.65E-05	-1.99999195
0.039998075			
9.858	ardrone_2	2.59E-05	7.87E-06
0.039998075			
9.858	ardrone_1	2.64E-05	-1.999991606
0.040000865			
9.858	ardrone_2	2.59E-05	8.22E-06
0.040000865			

9.86	ardrone_1	2.66E-05	-1.999990954
	0.039997681		
9.86	ardrone_2	2.61E-05	8.87E-06
	0.039997681		
9.861	ardrone_1	2.64E-05	-1.999991305
	0.040000285		
9.861	ardrone_2	2.59E-05	8.52E-06
	0.040000285		
9.862	ardrone_1	2.65E-05	-1.999991996
	0.039997313		
9.862	ardrone_2	2.60E-05	7.83E-06
	0.039997313		
9.863	ardrone_1	2.64E-05	-1.999991557
	0.040000649		
9.863	ardrone_2	2.59E-05	8.27E-06
	0.040000649		
9.864	ardrone_1	2.66E-05	-1.999990885
	0.039997746		
9.864	ardrone_2	2.61E-05	8.94E-06
	0.039997746		
9.865	ardrone_1	2.64E-05	-1.999991264
	0.040000435		
9.865	ardrone_2	2.59E-05	8.56E-06
	0.040000435		
9.866	ardrone_1	2.65E-05	-1.999991943
	0.039998075		
9.866	ardrone_2	2.60E-05	7.88E-06
	0.039998075		
9.867	ardrone_1	2.65E-05	-1.999991599
	0.040000865		
9.867	ardrone_2	2.59E-05	8.22E-06
	0.040000865		
9.868	ardrone_1	2.67E-05	-1.999990947
	0.039997681		
9.868	ardrone_2	2.61E-05	8.87E-06
	0.039997681		
9.869	ardrone_1	2.65E-05	-1.999991297
	0.040000285		
9.869	ardrone_2	2.59E-05	8.52E-06
	0.040000285		
9.87	ardrone_1	2.65E-05	-1.999991988
	0.039997313		

9.87	ardrone_2	2.60E-05	7.83E-06
0.039997313			
9.871	ardrone_1	2.64E-05	-1.99999155
0.040000649			
9.871	ardrone_2	2.59E-05	8.27E-06
0.040000649			
9.872	ardrone_1	2.66E-05	-1.999990878
0.039997746			
9.872	ardrone_2	2.61E-05	8.94E-06
0.039997746			
9.873	ardrone_1	2.65E-05	-1.999991257
0.040000435			
9.873	ardrone_2	2.59E-05	8.57E-06
0.040000435			
9.874	ardrone_1	2.65E-05	-1.999991936
0.039998075			
9.874	ardrone_2	2.60E-05	7.89E-06
0.039998075			
9.875	ardrone_1	2.65E-05	-1.999991592
0.040000865			
9.875	ardrone_2	2.59E-05	8.23E-06
0.040000865			
9.876	ardrone_1	2.67E-05	-1.99999094
0.039997681			
9.876	ardrone_2	2.61E-05	8.88E-06
0.039997681			
9.877	ardrone_1	2.65E-05	-1.99999129
0.040000285			
9.877	ardrone_2	2.59E-05	8.53E-06
0.040000285			
9.878	ardrone_1	2.66E-05	-1.999991981
0.039997313			
9.878	ardrone_2	2.60E-05	7.84E-06
0.039997313			
9.879	ardrone_1	2.65E-05	-1.999991542
0.040000649			
9.879	ardrone_2	2.59E-05	8.28E-06
0.040000649			
9.88	ardrone_1	2.67E-05	-1.999990871
0.039997746			
9.88	ardrone_2	2.61E-05	8.95E-06
0.039997746			



9.881	ardrone_1	2.65E-05	-1.999991249
	0.040000435		
9.881	ardrone_2	2.59E-05	8.57E-06
	0.040000435		
9.882	ardrone_1	2.66E-05	-1.999991929
	0.039998075		
9.882	ardrone_2	2.60E-05	7.89E-06
	0.039998075		
9.883	ardrone_1	2.65E-05	-1.999991584
	0.040000865		
9.883	ardrone_2	2.60E-05	8.24E-06
	0.040000865		
9.884	ardrone_1	2.67E-05	-1.999990933
	0.039997681		
9.884	ardrone_2	2.62E-05	8.89E-06
	0.039997681		
9.885	ardrone_1	2.65E-05	-1.999991283
	0.040000285		
9.885	ardrone_2	2.60E-05	8.54E-06
	0.040000285		
9.886	ardrone_1	2.66E-05	-1.999991974
	0.039997313		
9.886	ardrone_2	2.60E-05	7.85E-06
	0.039997313		
9.887	ardrone_1	2.65E-05	-1.999991535
	0.040000649		
9.887	ardrone_2	2.59E-05	8.29E-06
	0.040000649		
9.888	ardrone_1	2.67E-05	-1.999990864
	0.039997746		
9.888	ardrone_2	2.61E-05	8.96E-06
	0.039997746		
9.889	ardrone_1	2.65E-05	-1.999991242
	0.040000435		
9.889	ardrone_2	2.60E-05	8.58E-06
	0.040000435		
9.889	ardrone_1	2.66E-05	-1.999991921
	0.039998075		
9.889	ardrone_2	2.60E-05	7.90E-06
	0.039998075		
9.891	ardrone_1	2.65E-05	-1.999991577
	0.040000865		

9.891	ardrone_2	2.60E-05	8.24E-06
0.040000865			
9.892	ardrone_1	2.67E-05	-1.999990925
0.039997681			
9.892	ardrone_2	2.62E-05	8.90E-06
0.039997681			
9.893	ardrone_1	2.65E-05	-1.999991276
0.040000285			
9.893	ardrone_2	2.60E-05	8.55E-06
0.040000285			
9.894	ardrone_1	2.66E-05	-1.999991967
0.039997313			
9.894	ardrone_2	2.61E-05	7.85E-06
0.039997313			
9.895	ardrone_1	2.65E-05	-1.999991528
0.040000649			
9.895	ardrone_2	2.60E-05	8.29E-06
0.040000649			
9.896	ardrone_1	2.67E-05	-1.999990856
0.039997746			
9.896	ardrone_2	2.62E-05	8.97E-06
0.039997746			
9.897	ardrone_1	2.65E-05	-1.999991235
0.040000435			
9.897	ardrone_2	2.60E-05	8.59E-06
0.040000435			
9.898	ardrone_1	2.66E-05	-1.999991914
0.039998075			
9.898	ardrone_2	2.61E-05	7.91E-06
0.039998075			
9.899	ardrone_1	2.65E-05	-1.99999157
0.040000865			
9.899	ardrone_2	2.60E-05	8.25E-06
0.040000865			
9.9	ardrone_1	2.68E-05	-1.999990918
0.039997681			
9.9	ardrone_2	2.62E-05	8.90E-06
0.039997681			
9.9	ardrone_1	2.66E-05	-1.999991269
0.040000285			
9.9	ardrone_2	2.60E-05	8.55E-06
0.040000285			

9.902	ardrone_1	2.66E-05	-1.99999196
	0.039997313		
9.902	ardrone_2	2.61E-05	7.86E-06
	0.039997313		
9.903	ardrone_1	2.65E-05	-1.999991521
	0.040000649		
9.903	ardrone_2	2.60E-05	8.30E-06
	0.040000649		
9.904	ardrone_1	2.67E-05	-1.999990849
	0.039997746		
9.904	ardrone_2	2.62E-05	8.97E-06
	0.039997746		
9.905	ardrone_1	2.66E-05	-1.999991228
	0.040000435		
9.905	ardrone_2	2.60E-05	8.59E-06
	0.040000435		
9.906	ardrone_1	2.66E-05	-1.999991907
	0.039998075		
9.906	ardrone_2	2.61E-05	7.91E-06
	0.039998075		
9.907	ardrone_1	2.66E-05	-1.999991563
	0.040000865		
9.907	ardrone_2	2.60E-05	8.26E-06
	0.040000865		
9.908	ardrone_1	2.68E-05	-1.999990911
	0.039997681		
9.908	ardrone_2	2.62E-05	8.91E-06
	0.039997681		
9.909	ardrone_1	2.66E-05	-1.999991262
	0.040000285		
9.909	ardrone_2	2.60E-05	8.56E-06
	0.040000285		
9.91	ardrone_1	2.67E-05	-1.999991953
	0.039997313		
9.91	ardrone_2	2.61E-05	7.87E-06
	0.039997313		
9.911	ardrone_1	2.66E-05	-1.999991514
	0.040000649		
9.911	ardrone_2	2.60E-05	8.31E-06
	0.040000649		
9.912	ardrone_1	2.67E-05	-1.999990842
	0.039997746		

9.912	ardrone_2	2.62E-05	8.98E-06
	0.039997746		
9.913	ardrone_1	2.66E-05	-1.999991221
	0.040000435		
9.913	ardrone_2	2.60E-05	8.60E-06
	0.040000435		
9.914	ardrone_1	2.66E-05	-1.9999919
	0.039998075		
9.914	ardrone_2	2.61E-05	7.92E-06
	0.039998075		
9.915	ardrone_1	2.66E-05	-1.999991556
	0.040000865		
9.915	ardrone_2	2.60E-05	8.27E-06
	0.040000865		
9.916	ardrone_1	2.68E-05	-1.999990904
	0.039997681		
9.916	ardrone_2	2.62E-05	8.92E-06
	0.039997681		
9.917	ardrone_1	2.66E-05	-1.999991255
	0.040000285		
9.917	ardrone_2	2.61E-05	8.57E-06
	0.040000285		
9.918	ardrone_1	2.67E-05	-1.999991946
	0.039997313		
9.918	ardrone_2	2.61E-05	7.88E-06
	0.039997313		
9.919	ardrone_1	2.66E-05	-1.999991507
	0.040000649		
9.919	ardrone_2	2.60E-05	8.31E-06
	0.040000649		
9.92	ardrone_1	2.68E-05	-1.999990835
	0.039997746		
9.92	ardrone_2	2.62E-05	8.99E-06
	0.039997746		
9.921	ardrone_1	2.66E-05	-1.999991214
	0.040000435		
9.921	ardrone_2	2.60E-05	8.61E-06
	0.040000435		
9.922	ardrone_1	2.67E-05	-1.999991893
	0.039998075		
9.922	ardrone_2	2.61E-05	7.93E-06
	0.039998075		

9.923	ardrone_1	2.66E-05	-1.999991549
	0.040000865		
9.923	ardrone_2	2.61E-05	8.27E-06
	0.040000865		
9.924	ardrone_1	2.68E-05	-1.999990897
	0.039997681		
9.924	ardrone_2	2.63E-05	8.92E-06
	0.039997681		
9.924	ardrone_1	2.66E-05	-1.999991248
	0.040000285		
9.924	ardrone_2	2.61E-05	8.57E-06
	0.040000285		
9.925	ardrone_1	2.67E-05	-1.999991939
	0.039997313		
9.925	ardrone_2	2.62E-05	7.88E-06
	0.039997313		
9.926	ardrone_1	2.66E-05	-1.9999915
	0.040000649		
9.926	ardrone_2	2.61E-05	8.32E-06
	0.040000649		
9.927	ardrone_1	2.68E-05	-1.999990828
	0.039997746		
9.927	ardrone_2	2.62E-05	8.99E-06
	0.039997746		
9.928	ardrone_1	2.66E-05	-1.999991207
	0.040000435		
9.928	ardrone_2	2.61E-05	8.62E-06
	0.040000435		
9.929	ardrone_1	2.67E-05	-1.999991886
	0.039998075		
9.929	ardrone_2	2.61E-05	7.94E-06
	0.039998075		
9.931	ardrone_1	2.66E-05	-1.999991542
	0.040000865		
9.931	ardrone_2	2.61E-05	8.28E-06
	0.040000865		
9.931	ardrone_1	2.68E-05	-1.99999089
	0.039997681		
9.931	ardrone_2	2.63E-05	8.93E-06
	0.039997681		
9.933	ardrone_1	2.66E-05	-1.99999124
	0.040000285		

9.933	ardrone_2	2.61E-05	8.58E-06
	0.040000285		
9.934	ardrone_1	2.67E-05	-1.999991931
	0.039997313		
9.934	ardrone_2	2.62E-05	7.89E-06
	0.039997313		
9.935	ardrone_1	2.66E-05	-1.999991493
	0.040000649		
9.935	ardrone_2	2.61E-05	8.33E-06
	0.040000649		
9.936	ardrone_1	2.68E-05	-1.999990821
	0.039997746		
9.936	ardrone_2	2.63E-05	9.00E-06
	0.039997746		
9.937	ardrone_1	2.66E-05	-1.999991199
	0.040000435		
9.937	ardrone_2	2.61E-05	8.62E-06
	0.040000435		
9.937	ardrone_1	2.67E-05	-1.999991879
	0.039998075		
9.937	ardrone_2	2.62E-05	7.94E-06
	0.039998075		
9.939	ardrone_1	2.67E-05	-1.999991535
	0.040000865		
9.939	ardrone_2	2.61E-05	8.29E-06
	0.040000865		
9.94	ardrone_1	2.69E-05	-1.999990883
	0.039997681		
9.94	ardrone_2	2.63E-05	8.94E-06
	0.039997681		
9.941	ardrone_1	2.67E-05	-1.999991233
	0.040000285		
9.941	ardrone_2	2.61E-05	8.59E-06
	0.040000285		
9.942	ardrone_1	2.67E-05	-1.999991924
	0.039997313		
9.942	ardrone_2	2.62E-05	7.90E-06
	0.039997313		
9.942	ardrone_1	2.66E-05	-1.999991485
	0.040000649		
9.942	ardrone_2	2.61E-05	8.34E-06
	0.040000649		

9.944	ardrone_1	2.68E-05	-1.999990814
	0.039997746		
9.944	ardrone_2	2.63E-05	9.01E-06
	0.039997746		
9.945	ardrone_1	2.67E-05	-1.999991192
	0.040000435		
9.945	ardrone_2	2.61E-05	8.63E-06
	0.040000435		
9.946	ardrone_1	2.67E-05	-1.999991871
	0.039998075		
9.946	ardrone_2	2.62E-05	7.95E-06
	0.039998075		
9.947	ardrone_1	2.67E-05	-1.999991527
	0.040000865		
9.947	ardrone_2	2.61E-05	8.29E-06
	0.040000865		
9.948	ardrone_1	2.69E-05	-1.999990876
	0.039997681		
9.948	ardrone_2	2.63E-05	8.95E-06
	0.039997681		
9.949	ardrone_1	2.67E-05	-1.999991226
	0.040000285		
9.949	ardrone_2	2.61E-05	8.60E-06
	0.040000285		
9.95	ardrone_1	2.68E-05	-1.999991917
	0.039997313		
9.95	ardrone_2	2.62E-05	7.90E-06
	0.039997313		
9.951	ardrone_1	2.67E-05	-1.999991478
	0.040000649		
9.951	ardrone_2	2.61E-05	8.34E-06
	0.040000649		
9.952	ardrone_1	2.69E-05	-1.999990807
	0.039997746		
9.952	ardrone_2	2.63E-05	9.02E-06
	0.039997746		
9.953	ardrone_1	2.67E-05	-1.999991185
	0.040000435		
9.953	ardrone_2	2.61E-05	8.64E-06
	0.040000435		
9.953	ardrone_1	2.68E-05	-1.999991864
	0.039998075		

9.953	ardrone_2	2.62E-05	7.96E-06
0.039998075			
9.955	ardrone_1	2.67E-05	-1.99999152
0.040000865			
9.955	ardrone_2	2.62E-05	8.30E-06
0.040000865			
9.956	ardrone_1	2.69E-05	-1.999990868
0.039997681			
9.956	ardrone_2	2.64E-05	8.95E-06
0.039997681			
9.957	ardrone_1	2.67E-05	-1.999991219
0.040000285			
9.957	ardrone_2	2.62E-05	8.60E-06
0.040000285			
9.958	ardrone_1	2.68E-05	-1.99999191
0.039997313			
9.958	ardrone_2	2.62E-05	7.91E-06
0.039997313			
9.959	ardrone_1	2.67E-05	-1.999991471
0.040000649			
9.959	ardrone_2	2.61E-05	8.35E-06
0.040000649			
9.96	ardrone_1	2.69E-05	-1.999990799
0.039997746			
9.96	ardrone_2	2.63E-05	9.02E-06
0.039997746			
9.961	ardrone_1	2.67E-05	-1.999991178
0.040000435			
9.961	ardrone_2	2.62E-05	8.64E-06
0.040000435			
9.962	ardrone_1	2.68E-05	-1.999991857
0.039998075			
9.962	ardrone_2	2.62E-05	7.96E-06
0.039998075			
9.963	ardrone_1	2.67E-05	-1.999991513
0.040000865			
9.963	ardrone_2	2.62E-05	8.31E-06
0.040000865			
9.964	ardrone_1	2.69E-05	-1.999990861
0.039997681			
9.964	ardrone_2	2.64E-05	8.96E-06
0.039997681			



9.965	ardrone_1	2.67E-05	-1.999991212
	0.040000285		
9.965	ardrone_2	2.62E-05	8.61E-06
	0.040000285		
9.966	ardrone_1	2.68E-05	-1.999991903
	0.039997313		
9.966	ardrone_2	2.63E-05	7.92E-06
	0.039997313		
9.967	ardrone_1	2.67E-05	-1.999991464
	0.040000649		
9.967	ardrone_2	2.62E-05	8.36E-06
	0.040000649		
9.968	ardrone_1	2.69E-05	-1.999990792
	0.039997746		
9.968	ardrone_2	2.64E-05	9.03E-06
	0.039997746		
9.968	ardrone_1	2.67E-05	-1.999991171
	0.040000435		
9.968	ardrone_2	2.62E-05	8.65E-06
	0.040000435		
9.969	ardrone_1	2.68E-05	-1.99999185
	0.039998075		
9.969	ardrone_2	2.62E-05	7.97E-06
	0.039998075		
9.971	ardrone_1	2.67E-05	-1.999991506
	0.040000865		
9.971	ardrone_2	2.62E-05	8.32E-06
	0.040000865		
9.972	ardrone_1	2.69E-05	-1.999990854
	0.039997681		
9.972	ardrone_2	2.64E-05	8.97E-06
	0.039997681		
9.973	ardrone_1	2.68E-05	-1.999991205
	0.040000285		
9.973	ardrone_2	2.62E-05	8.62E-06
	0.040000285		
9.976	ardrone_1	2.68E-05	-1.999991896
	0.039997313		
9.976	ardrone_2	2.63E-05	7.93E-06
	0.039997313		
9.978	ardrone_1	2.67E-05	-1.999991457
	0.040000649		

9.978	ardrone_2	2.62E-05	8.36E-06
0.040000649			
9.981	ardrone_1	2.69E-05	-1.999990785
0.039997746			
9.981	ardrone_2	2.64E-05	9.04E-06
0.039997746			
9.981	ardrone_1	2.67E-05	-1.999991164
0.040000435			
9.981	ardrone_2	2.62E-05	8.66E-06
0.040000435			
9.982	ardrone_1	2.68E-05	-1.999991843
0.039998075			
9.982	ardrone_2	2.63E-05	7.98E-06
0.039998075			
9.982	ardrone_1	2.68E-05	-1.999991499
0.040000865			
9.982	ardrone_2	2.62E-05	8.32E-06
0.040000865			
9.982	ardrone_1	2.70E-05	-1.999990847
0.039997681			
9.982	ardrone_2	2.64E-05	8.97E-06
0.039997681			
9.982	ardrone_1	2.68E-05	-1.999991198
0.040000285			
9.982	ardrone_2	2.62E-05	8.62E-06
0.040000285			
9.982	ardrone_1	2.69E-05	-1.999991889
0.039997313			
9.982	ardrone_2	2.63E-05	7.93E-06
0.039997313			
9.983	ardrone_1	2.68E-05	-1.99999145
0.040000649			
9.983	ardrone_2	2.62E-05	8.37E-06
0.040000649			
9.984	ardrone_1	2.69E-05	-1.999990778
0.039997746			
9.984	ardrone_2	2.64E-05	9.04E-06
0.039997746			
9.985	ardrone_1	2.68E-05	-1.999991157
0.040000435			
9.985	ardrone_2	2.62E-05	8.67E-06
0.040000435			

9.986	ardrone_1	2.68E-05	-1.999991836
0.039998075			
9.986	ardrone_2	2.63E-05	7.99E-06
0.039998075			
9.987	ardrone_1	2.68E-05	-1.999991492
0.040000865			
9.987	ardrone_2	2.62E-05	8.33E-06
0.040000865			
9.988	ardrone_1	2.70E-05	-1.99999084
0.039997681			
9.988	ardrone_2	2.64E-05	8.98E-06
0.039997681			
9.989	ardrone_1	2.68E-05	-1.999991191
0.040000285			
9.989	ardrone_2	2.62E-05	8.63E-06
0.040000285			
9.99	ardrone_1	2.69E-05	-1.999991881
0.039997313			
9.99	ardrone_2	2.63E-05	7.94E-06
0.039997313			
9.991	ardrone_1	2.68E-05	-1.999991443
0.040000649			
9.991	ardrone_2	2.62E-05	8.38E-06
0.040000649			
9.991	ardrone_1	2.70E-05	-1.999990771
0.039997746			
9.991	ardrone_2	2.64E-05	9.05E-06
0.039997746			
9.993	ardrone_1	2.68E-05	-1.99999115
0.040000435			
9.993	ardrone_2	2.62E-05	8.67E-06
0.040000435			
9.994	ardrone_1	2.69E-05	-1.999991829
0.039998075			
9.994	ardrone_2	2.63E-05	7.99E-06
0.039998075			
9.995	ardrone_1	2.68E-05	-1.999991485
0.040000865			
9.995	ardrone_2	2.63E-05	8.34E-06
0.040000865			
9.996	ardrone_1	2.70E-05	-1.999990833
0.039997681			

9.996	ardrone_2	2.65E-05	8.99E-06
	0.039997681		
9.997	ardrone_1	2.68E-05	-1.999991183
	0.040000285		
9.997	ardrone_2	2.63E-05	8.64E-06
	0.040000285		
9.998	ardrone_1	2.69E-05	-1.999991874
	0.039997313		
9.998	ardrone_2	2.64E-05	7.95E-06
	0.039997313		
9.999	ardrone_1	2.68E-05	-1.999991435
	0.040000649		
9.999	ardrone_2	2.63E-05	8.39E-06
	0.040000649		
10	ardrone_1	2.70E-05	-1.999990764
	0.039997746		
10	ardrone_2	2.64E-05	9.06E-06
	0.039997746		
10.001	ardrone_1	2.68E-05	-1.999991142
	0.040000435		
10.001	ardrone_2	2.63E-05	8.68E-06
	0.040000435		
10.002	ardrone_1	2.69E-05	-1.999991822
	0.039998075		
10.002	ardrone_2	2.63E-05	8.00E-06
	0.039998075		
10.002	ardrone_1	2.68E-05	-1.999991478
	0.040000865		
10.002	ardrone_2	2.63E-05	8.34E-06
	0.040000865		
10.004	ardrone_1	2.70E-05	-1.999990826
	0.039997681		
10.004	ardrone_2	2.65E-05	9.00E-06
	0.039997681		
10.005	ardrone_1	2.68E-05	-1.999991176
	0.040000285		
10.005	ardrone_2	2.63E-05	8.65E-06
	0.040000285		
10.006	ardrone_1	2.69E-05	-1.999991867
	0.039997313		
10.006	ardrone_2	2.64E-05	7.95E-06
	0.039997313		

10.007	ardrone_1	2.68E-05	-1.999991428
	0.040000649		
10.007	ardrone_2	2.63E-05	8.39E-06
	0.040000649		
10.008	ardrone_1	2.70E-05	-1.999990757
	0.039997746		
10.008	ardrone_2	2.65E-05	9.07E-06
	0.039997746		
10.009	ardrone_1	2.68E-05	-1.999991135
	0.040000435		
10.009	ardrone_2	2.63E-05	8.69E-06
	0.040000435		
10.01	ardrone_1	2.69E-05	-1.999991814
	0.039998075		
10.01	ardrone_2	2.64E-05	8.01E-06
	0.039998075		
10.011	ardrone_1	2.69E-05	-1.99999147
	0.040000865		
10.011	ardrone_2	2.63E-05	8.35E-06
	0.040000865		
10.012	ardrone_1	2.71E-05	-1.999990819
	0.039997681		
10.012	ardrone_2	2.65E-05	9.00E-06
	0.039997681		
10.013	ardrone_1	2.69E-05	-1.999991169
	0.040000285		
10.013	ardrone_2	2.63E-05	8.65E-06
	0.040000285		
10.014	ardrone_1	2.69E-05	-1.99999186
	0.039997313		
10.014	ardrone_2	2.64E-05	7.96E-06
	0.039997313		
10.015	ardrone_1	2.68E-05	-1.999991421
	0.040000649		
10.015	ardrone_2	2.63E-05	8.40E-06
	0.040000649		
10.016	ardrone_1	2.70E-05	-1.99999075
	0.039997746		
10.016	ardrone_2	2.65E-05	9.07E-06
	0.039997746		
10.017	ardrone_1	2.69E-05	-1.999991128
	0.040000435		

10.017	ardrone_2	2.63E-05	8.69E-06
	0.040000435		
10.018	ardrone_1	2.69E-05	-1.999991807
	0.039998075		
10.018	ardrone_2	2.64E-05	8.01E-06
	0.039998075		
10.019	ardrone_1	2.69E-05	-1.999991463
	0.040000865		
10.019	ardrone_2	2.63E-05	8.36E-06
	0.040000865		
10.02	ardrone_1	2.71E-05	-1.999990811
	0.039997681		
10.02	ardrone_2	2.65E-05	9.01E-06
	0.039997681		
10.021	ardrone_1	2.69E-05	-1.999991162
	0.040000285		
10.021	ardrone_2	2.63E-05	8.66E-06
	0.040000285		
10.022	ardrone_1	2.70E-05	-1.999991853
	0.039997313		
10.022	ardrone_2	2.64E-05	7.97E-06
	0.039997313		
10.023	ardrone_1	2.69E-05	-1.999991414
	0.040000649		
10.023	ardrone_2	2.63E-05	8.41E-06
	0.040000649		
10.024	ardrone_1	2.71E-05	-1.999990742
	0.039997746		
10.024	ardrone_2	2.65E-05	9.08E-06
	0.039997746		
10.025	ardrone_1	2.69E-05	-1.999991121
	0.040000435		
10.025	ardrone_2	2.63E-05	8.70E-06
	0.040000435		
10.026	ardrone_1	2.69E-05	-1.9999918
	0.039998075		
10.026	ardrone_2	2.64E-05	8.02E-06
	0.039998075		
10.027	ardrone_1	2.69E-05	-1.999991456
	0.040000865		
10.027	ardrone_2	2.64E-05	8.37E-06
	0.040000865		

10.028	ardrone_1	2.71E-05	-1.999990804
	0.039997681		
10.028	ardrone_2	2.66E-05	9.02E-06
	0.039997681		
10.029	ardrone_1	2.69E-05	-1.999991155
	0.040000285		
10.029	ardrone_2	2.64E-05	8.67E-06
	0.040000285		
10.03	ardrone_1	2.70E-05	-1.999991846
	0.039997313		
10.03	ardrone_2	2.64E-05	7.98E-06
	0.039997313		
10.031	ardrone_1	2.69E-05	-1.999991407
	0.040000649		
10.031	ardrone_2	2.63E-05	8.41E-06
	0.040000649		
10.032	ardrone_1	2.71E-05	-1.999990735
	0.039997746		
10.032	ardrone_2	2.65E-05	9.09E-06
	0.039997746		
10.033	ardrone_1	2.69E-05	-1.999991114
	0.040000435		
10.033	ardrone_2	2.64E-05	8.71E-06
	0.040000435		
10.034	ardrone_1	2.70E-05	-1.999991793
	0.039998075		
10.034	ardrone_2	2.64E-05	8.03E-06
	0.039998075		
10.035	ardrone_1	2.69E-05	-1.999991449
	0.040000865		
10.035	ardrone_2	2.64E-05	8.37E-06
	0.040000865		
10.036	ardrone_1	2.71E-05	-1.999990797
	0.039997681		
10.036	ardrone_2	2.66E-05	9.02E-06
	0.039997681		
10.037	ardrone_1	2.69E-05	-1.999991148
	0.040000285		
10.037	ardrone_2	2.64E-05	8.67E-06
	0.040000285		
10.038	ardrone_1	2.70E-05	-1.999991839
	0.039997313		

10.038	ardrone_2	2.65E-05	7.98E-06
	0.039997313		
10.039	ardrone_1	2.69E-05	-1.9999914
	0.040000649		
10.039	ardrone_2	2.64E-05	8.42E-06
	0.040000649		
10.04	ardrone_1	2.71E-05	-1.999990728
	0.039997746		
10.04	ardrone_2	2.65E-05	9.09E-06
	0.039997746		
10.041	ardrone_1	2.69E-05	-1.999991107
	0.040000435		
10.041	ardrone_2	2.64E-05	8.71E-06
	0.040000435		
10.042	ardrone_1	2.70E-05	-1.999991786
	0.039998075		
10.042	ardrone_2	2.64E-05	8.04E-06
	0.039998075		
10.043	ardrone_1	2.69E-05	-1.999991442
	0.040000865		
10.043	ardrone_2	2.64E-05	8.38E-06
	0.040000865		
10.044	ardrone_1	2.71E-05	-1.99999079
	0.039997681		
10.044	ardrone_2	2.66E-05	9.03E-06
	0.039997681		
10.045	ardrone_1	2.69E-05	-1.999991141
	0.040000285		
10.045	ardrone_2	2.64E-05	8.68E-06
	0.040000285		
10.046	ardrone_1	2.70E-05	-1.999991832
	0.039997313		
10.046	ardrone_2	2.65E-05	7.99E-06
	0.039997313		
10.047	ardrone_1	2.69E-05	-1.999991393
	0.040000649		
10.047	ardrone_2	2.64E-05	8.43E-06
	0.040000649		
10.048	ardrone_1	2.71E-05	-1.999990721
	0.039997746		
10.048	ardrone_2	2.66E-05	9.10E-06
	0.039997746		



10.049	ardrone_1	2.69E-05	-1.9999911
	0.040000435		
10.049	ardrone_2	2.64E-05	8.72E-06
	0.040000435		
10.05	ardrone_1	2.70E-05	-1.999991779
	0.039998075		
10.05	ardrone_2	2.65E-05	8.04E-06
	0.039998075		
10.051	ardrone_1	2.70E-05	-1.999991435
	0.040000865		
10.051	ardrone_2	2.64E-05	8.39E-06
	0.040000865		
10.052	ardrone_1	2.72E-05	-1.999990783
	0.039997681		
10.052	ardrone_2	2.66E-05	9.04E-06
	0.039997681		
10.053	ardrone_1	2.70E-05	-1.999991133
	0.040000285		
10.053	ardrone_2	2.64E-05	8.69E-06
	0.040000285		
10.054	ardrone_1	2.71E-05	-1.999991824
	0.039997313		
10.054	ardrone_2	2.65E-05	8.00E-06
	0.039997313		
10.055	ardrone_1	2.70E-05	-1.999991386
	0.040000649		
10.055	ardrone_2	2.64E-05	8.44E-06
	0.040000649		
10.056	ardrone_1	2.71E-05	-1.999990714
	0.039997746		
10.056	ardrone_2	2.66E-05	9.11E-06
	0.039997746		
10.057	ardrone_1	2.70E-05	-1.999991093
	0.040000435		
10.057	ardrone_2	2.64E-05	8.73E-06
	0.040000435		
10.058	ardrone_1	2.70E-05	-1.999991772
	0.039998075		
10.058	ardrone_2	2.65E-05	8.05E-06
	0.039998075		
10.059	ardrone_1	2.70E-05	-1.999991428
	0.040000865		

10.059	ardrone_2	2.64E-05	8.39E-06
	0.040000865		
10.06	ardrone_1	2.72E-05	-1.999990776
	0.039997681		
10.06	ardrone_2	2.66E-05	9.05E-06
	0.039997681		
10.061	ardrone_1	2.70E-05	-1.999991126
	0.040000285		
10.061	ardrone_2	2.64E-05	8.70E-06
	0.040000285		
10.062	ardrone_1	2.71E-05	-1.999991817
	0.039997313		
10.062	ardrone_2	2.65E-05	8.00E-06
	0.039997313		
10.063	ardrone_1	2.70E-05	-1.999991378
	0.040000649		
10.063	ardrone_2	2.64E-05	8.44E-06
	0.040000649		
10.064	ardrone_1	2.72E-05	-1.999990707
	0.039997746		
10.064	ardrone_2	2.66E-05	9.12E-06
	0.039997746		
10.065	ardrone_1	2.70E-05	-1.999991085
	0.040000435		
10.065	ardrone_2	2.64E-05	8.74E-06
	0.040000435		
10.066	ardrone_1	2.71E-05	-1.999991765
	0.039998075		
10.066	ardrone_2	2.65E-05	8.06E-06
	0.039998075		
10.067	ardrone_1	2.70E-05	-1.999991421
	0.040000865		
10.067	ardrone_2	2.65E-05	8.40E-06
	0.040000865		
10.068	ardrone_1	2.72E-05	-1.999990769
	0.039997681		
10.068	ardrone_2	2.67E-05	9.05E-06
	0.039997681		
10.069	ardrone_1	2.70E-05	-1.999991119
	0.040000285		
10.069	ardrone_2	2.65E-05	8.70E-06
	0.040000285		

10.07	ardrone_1	2.71E-05	-1.99999181
	0.039997313		
10.07	ardrone_2	2.65E-05	8.01E-06
	0.039997313		
10.071	ardrone_1	2.70E-05	-1.999991371
	0.040000649		
10.071	ardrone_2	2.64E-05	8.45E-06
	0.040000649		
10.072	ardrone_1	2.72E-05	-1.9999907
	0.039997746		
10.072	ardrone_2	2.66E-05	9.12E-06
	0.039997746		
10.073	ardrone_1	2.70E-05	-1.999991078
	0.040000435		
10.073	ardrone_2	2.65E-05	8.74E-06
	0.040000435		
10.074	ardrone_1	2.71E-05	-1.999991757
	0.039998075		
10.074	ardrone_2	2.65E-05	8.06E-06
	0.039998075		
10.075	ardrone_1	2.70E-05	-1.999991413
	0.040000865		
10.075	ardrone_2	2.65E-05	8.41E-06
	0.040000865		
10.076	ardrone_1	2.72E-05	-1.999990761
	0.039997681		
10.076	ardrone_2	2.67E-05	9.06E-06
	0.039997681		
10.077	ardrone_1	2.70E-05	-1.999991112
	0.040000285		
10.077	ardrone_2	2.65E-05	8.71E-06
	0.040000285		
10.08	ardrone_1	2.71E-05	-1.999991803
	0.039997313		
10.08	ardrone_2	2.66E-05	8.02E-06
	0.039997313		
10.081	ardrone_1	2.70E-05	-1.999991364
	0.040000649		
10.081	ardrone_2	2.65E-05	8.46E-06
	0.040000649		
10.081	ardrone_1	2.72E-05	-1.999990692
	0.039997746		

10.081	ardrone_2	2.67E-05	9.13E-06
	0.039997746		
10.081	ardrone_1	2.70E-05	-1.999991071
	0.040000435		
10.081	ardrone_2	2.65E-05	8.75E-06
	0.040000435		
10.082	ardrone_1	2.71E-05	-1.99999175
	0.039998075		
10.082	ardrone_2	2.66E-05	8.07E-06
	0.039998075		
10.083	ardrone_1	2.71E-05	-1.999991406
	0.040000865		
10.083	ardrone_2	2.65E-05	8.42E-06
	0.040000865		
10.084	ardrone_1	2.73E-05	-1.999990754
	0.039997681		
10.084	ardrone_2	2.67E-05	9.07E-06
	0.039997681		
10.085	ardrone_1	2.71E-05	-1.999991105
	0.040000285		
10.085	ardrone_2	2.65E-05	8.72E-06
	0.040000285		
10.086	ardrone_1	2.71E-05	-1.999991796
	0.039997313		
10.086	ardrone_2	2.66E-05	8.03E-06
	0.039997313		
10.087	ardrone_1	2.70E-05	-1.999991357
	0.040000649		
10.087	ardrone_2	2.65E-05	8.46E-06
	0.040000649		
10.088	ardrone_1	2.72E-05	-1.999990685
	0.039997746		
10.088	ardrone_2	2.67E-05	9.14E-06
	0.039997746		
10.089	ardrone_1	2.71E-05	-1.999991064
	0.040000435		
10.089	ardrone_2	2.65E-05	8.76E-06
	0.040000435		
10.09	ardrone_1	2.71E-05	-1.999991743
	0.039998075		
10.09	ardrone_2	2.66E-05	8.08E-06
	0.039998075		

10.091	ardrone_1	2.71E-05	-1.999991399
	0.040000865		
10.091	ardrone_2	2.65E-05	8.42E-06
	0.040000865		
10.092	ardrone_1	2.73E-05	-1.999990747
	0.039997681		
10.092	ardrone_2	2.67E-05	9.07E-06
	0.039997681		
10.093	ardrone_1	2.71E-05	-1.999991098
	0.040000285		
10.093	ardrone_2	2.65E-05	8.72E-06
	0.040000285		
10.094	ardrone_1	2.72E-05	-1.999991789
	0.039997313		
10.094	ardrone_2	2.66E-05	8.03E-06
	0.039997313		
10.095	ardrone_1	2.71E-05	-1.99999135
	0.040000649		
10.095	ardrone_2	2.65E-05	8.47E-06
	0.040000649		
10.096	ardrone_1	2.72E-05	-1.999990678
	0.039997746		
10.096	ardrone_2	2.67E-05	9.14E-06
	0.039997746		
10.097	ardrone_1	2.71E-05	-1.999991057
	0.040000435		
10.097	ardrone_2	2.65E-05	8.76E-06
	0.040000435		
10.098	ardrone_1	2.71E-05	-1.999991736
	0.039998075		
10.098	ardrone_2	2.66E-05	8.09E-06
	0.039998075		
10.099	ardrone_1	2.71E-05	-1.999991392
	0.040000865		
10.099	ardrone_2	2.65E-05	8.43E-06
	0.040000865		
10.1	ardrone_1	2.73E-05	-1.99999074
	0.039997681		
10.1	ardrone_2	2.68E-05	9.08E-06
	0.039997681		
10.101	ardrone_1	2.71E-05	-1.999991091
	0.040000285		

10.101	ardrone_2	2.66E-05	8.73E-06
	0.040000285		
10.102	ardrone_1	2.72E-05	-1.999991782
	0.039997313		
10.102	ardrone_2	2.66E-05	8.04E-06
	0.039997313		
10.103	ardrone_1	2.71E-05	-1.999991343
	0.040000649		
10.103	ardrone_2	2.65E-05	8.48E-06
	0.040000649		
10.104	ardrone_1	2.73E-05	-1.999990671
	0.039997746		
10.104	ardrone_2	2.67E-05	9.15E-06
	0.039997746		
10.105	ardrone_1	2.71E-05	-1.99999105
	0.040000435		
10.105	ardrone_2	2.66E-05	8.77E-06
	0.040000435		
10.106	ardrone_1	2.72E-05	-1.999991729
	0.039998075		
10.106	ardrone_2	2.66E-05	8.09E-06
	0.039998075		
10.107	ardrone_1	2.71E-05	-1.999991385
	0.040000865		
10.107	ardrone_2	2.66E-05	8.44E-06
	0.040000865		
10.108	ardrone_1	2.73E-05	-1.999990733
	0.039997681		
10.108	ardrone_2	2.68E-05	9.09E-06
	0.039997681		
10.109	ardrone_1	2.71E-05	-1.999991084
	0.040000285		
10.109	ardrone_2	2.66E-05	8.74E-06
	0.040000285		
10.11	ardrone_1	2.72E-05	-1.999991775
	0.039997313		
10.11	ardrone_2	2.67E-05	8.05E-06
	0.039997313		
10.111	ardrone_1	2.71E-05	-1.999991336
	0.040000649		
10.111	ardrone_2	2.66E-05	8.49E-06
	0.040000649		

10.112	ardrone_1	2.73E-05	-1.999990664
	0.039997746		
10.112	ardrone_2	2.67E-05	9.16E-06
	0.039997746		
10.113	ardrone_1	2.71E-05	-1.999991043
	0.040000435		
10.113	ardrone_2	2.66E-05	8.78E-06
	0.040000435		
10.114	ardrone_1	2.72E-05	-1.999991722
	0.039998075		
10.114	ardrone_2	2.66E-05	8.10E-06
	0.039998075		
10.115	ardrone_1	2.71E-05	-1.999991378
	0.040000865		
10.115	ardrone_2	2.66E-05	8.44E-06
	0.040000865		
10.116	ardrone_1	2.73E-05	-1.999990726
	0.039997681		
10.116	ardrone_2	2.68E-05	9.10E-06
	0.039997681		
10.117	ardrone_1	2.71E-05	-1.999991076
	0.040000285		
10.117	ardrone_2	2.66E-05	8.75E-06
	0.040000285		
10.118	ardrone_1	2.72E-05	-1.999991767
	0.039997313		
10.118	ardrone_2	2.67E-05	8.05E-06
	0.039997313		
10.119	ardrone_1	2.71E-05	-1.999991329
	0.040000649		
10.119	ardrone_2	2.66E-05	8.49E-06
	0.040000649		
10.119	ardrone_1	2.73E-05	-1.999990657
	0.039997746		
10.119	ardrone_2	2.68E-05	9.16E-06
	0.039997746		
10.121	ardrone_1	2.71E-05	-1.999991035
	0.040000435		
10.121	ardrone_2	2.66E-05	8.79E-06
	0.040000435		
10.122	ardrone_1	2.72E-05	-1.999991715
	0.039998075		

10.122	ardrone_2	2.67E-05	8.11E-06
	0.039998075		
10.123	ardrone_1	2.72E-05	-1.999991371
	0.040000865		
10.123	ardrone_2	2.66E-05	8.45E-06
	0.040000865		
10.124	ardrone_1	2.74E-05	-1.999990719
	0.039997681		
10.124	ardrone_2	2.68E-05	9.10E-06
	0.039997681		
10.125	ardrone_1	2.72E-05	-1.999991069
	0.040000285		
10.125	ardrone_2	2.66E-05	8.75E-06
	0.040000285		
10.126	ardrone_1	2.72E-05	-1.99999176
	0.039997313		
10.126	ardrone_2	2.67E-05	8.06E-06
	0.039997313		
10.127	ardrone_1	2.71E-05	-1.999991321
	0.040000649		
10.127	ardrone_2	2.66E-05	8.50E-06
	0.040000649		
10.128	ardrone_1	2.73E-05	-1.99999065
	0.039997746		
10.128	ardrone_2	2.68E-05	9.17E-06
	0.039997746		
10.129	ardrone_1	2.72E-05	-1.999991028
	0.040000435		
10.129	ardrone_2	2.66E-05	8.79E-06
	0.040000435		
10.13	ardrone_1	2.72E-05	-1.999991707
	0.039998075		
10.13	ardrone_2	2.67E-05	8.11E-06
	0.039998075		
10.131	ardrone_1	2.72E-05	-1.999991363
	0.040000865		
10.131	ardrone_2	2.66E-05	8.46E-06
	0.040000865		
10.132	ardrone_1	2.74E-05	-1.999990712
	0.039997681		
10.132	ardrone_2	2.68E-05	9.11E-06
	0.039997681		



10.133	ardrone_1	2.72E-05	-1.999991062
	0.040000285		
10.133	ardrone_2	2.66E-05	8.76E-06
	0.040000285		
10.134	ardrone_1	2.73E-05	-1.999991753
	0.039997313		
10.134	ardrone_2	2.67E-05	8.07E-06
	0.039997313		
10.135	ardrone_1	2.72E-05	-1.999991314
	0.040000649		
10.135	ardrone_2	2.66E-05	8.51E-06
	0.040000649		
10.136	ardrone_1	2.74E-05	-1.999990643
	0.039997746		
10.136	ardrone_2	2.68E-05	9.18E-06
	0.039997746		
10.136	ardrone_1	2.72E-05	-1.999991021
	0.040000435		
10.136	ardrone_2	2.66E-05	8.80E-06
	0.040000435		
10.138	ardrone_1	2.73E-05	-1.9999917
	0.039998075		
10.138	ardrone_2	2.67E-05	8.12E-06
	0.039998075		
10.139	ardrone_1	2.72E-05	-1.999991356
	0.040000865		
10.139	ardrone_2	2.67E-05	8.47E-06
	0.040000865		
10.14	ardrone_1	2.74E-05	-1.999990704
	0.039997681		
10.14	ardrone_2	2.69E-05	9.12E-06
	0.039997681		
10.141	ardrone_1	2.72E-05	-1.999991055
	0.040000285		
10.141	ardrone_2	2.67E-05	8.77E-06
	0.040000285		
10.142	ardrone_1	2.73E-05	-1.999991746
	0.039997313		
10.142	ardrone_2	2.67E-05	8.08E-06
	0.039997313		
10.143	ardrone_1	2.72E-05	-1.999991307
	0.040000649		

10.143	ardrone_2	2.66E-05	8.51E-06
	0.040000649		
10.144	ardrone_1	2.74E-05	-1.999990635
	0.039997746		
10.144	ardrone_2	2.68E-05	9.19E-06
	0.039997746		
10.145	ardrone_1	2.72E-05	-1.999991014
	0.040000435		
10.145	ardrone_2	2.67E-05	8.81E-06
	0.040000435		
10.146	ardrone_1	2.73E-05	-1.999991693
	0.039998075		
10.146	ardrone_2	2.67E-05	8.13E-06
	0.039998075		
10.147	ardrone_1	2.72E-05	-1.999991349
	0.040000865		
10.147	ardrone_2	2.67E-05	8.47E-06
	0.040000865		
10.148	ardrone_1	2.74E-05	-1.999990697
	0.039997681		
10.148	ardrone_2	2.69E-05	9.12E-06
	0.039997681		
10.149	ardrone_1	2.72E-05	-1.999991048
	0.040000285		
10.149	ardrone_2	2.67E-05	8.77E-06
	0.040000285		
10.15	ardrone_1	2.73E-05	-1.999991739
	0.039997313		
10.15	ardrone_2	2.68E-05	8.08E-06
	0.039997313		
10.151	ardrone_1	2.72E-05	-1.9999913
	0.040000649		
10.151	ardrone_2	2.67E-05	8.52E-06
	0.040000649		
10.152	ardrone_1	2.74E-05	-1.999990628
	0.039997746		
10.152	ardrone_2	2.69E-05	9.19E-06
	0.039997746		
10.153	ardrone_1	2.72E-05	-1.999991007
	0.040000435		
10.153	ardrone_2	2.67E-05	8.81E-06
	0.040000435		

10.154	ardrone_1	2.73E-05	-1.999991686
	0.039998075		
10.154	ardrone_2	2.68E-05	8.14E-06
	0.039998075		
10.155	ardrone_1	2.73E-05	-1.999991342
	0.040000865		
10.155	ardrone_2	2.67E-05	8.48E-06
	0.040000865		
10.156	ardrone_1	2.75E-05	-1.99999069
	0.039997681		
10.156	ardrone_2	2.69E-05	9.13E-06
	0.039997681		
10.157	ardrone_1	2.73E-05	-1.999991041
	0.040000285		
10.157	ardrone_2	2.67E-05	8.78E-06
	0.040000285		
10.158	ardrone_1	2.73E-05	-1.999991732
	0.039997313		
10.158	ardrone_2	2.68E-05	8.09E-06
	0.039997313		
10.159	ardrone_1	2.72E-05	-1.999991293
	0.040000649		
10.159	ardrone_2	2.67E-05	8.53E-06
	0.040000649		
10.16	ardrone_1	2.74E-05	-1.999990621
	0.039997746		
10.16	ardrone_2	2.69E-05	9.20E-06
	0.039997746		
10.161	ardrone_1	2.73E-05	-1.999991
	0.040000435		
10.161	ardrone_2	2.67E-05	8.82E-06
	0.040000435		
10.162	ardrone_1	2.73E-05	-1.999991679
	0.039998075		
10.162	ardrone_2	2.68E-05	8.14E-06
	0.039998075		
10.163	ardrone_1	2.73E-05	-1.999991335
	0.040000865		
10.163	ardrone_2	2.67E-05	8.49E-06
	0.040000865		
10.164	ardrone_1	2.75E-05	-1.999990683
	0.039997681		

10.164	ardrone_2	2.69E-05	9.14E-06
	0.039997681		
10.165	ardrone_1	2.73E-05	-1.999991034
	0.040000285		
10.165	ardrone_2	2.67E-05	8.79E-06
	0.040000285		
10.166	ardrone_1	2.74E-05	-1.999991725
	0.039997313		
10.166	ardrone_2	2.68E-05	8.10E-06
	0.039997313		
10.167	ardrone_1	2.73E-05	-1.999991286
	0.040000649		
10.167	ardrone_2	2.67E-05	8.54E-06
	0.040000649		
10.168	ardrone_1	2.74E-05	-1.999990614
	0.039997746		
10.168	ardrone_2	2.69E-05	9.21E-06
	0.039997746		
10.169	ardrone_1	2.73E-05	-1.999990993
	0.040000435		
10.169	ardrone_2	2.67E-05	8.83E-06
	0.040000435		
10.17	ardrone_1	2.73E-05	-1.999991672
	0.039998075		
10.17	ardrone_2	2.68E-05	8.15E-06
	0.039998075		
10.17	ardrone_1	2.73E-05	-1.999991328
	0.040000865		
10.17	ardrone_2	2.67E-05	8.49E-06
	0.040000865		
10.172	ardrone_1	2.75E-05	-1.999990676
	0.039997681		
10.172	ardrone_2	2.69E-05	9.15E-06
	0.039997681		
10.173	ardrone_1	2.73E-05	-1.999991027
	0.040000285		
10.173	ardrone_2	2.68E-05	8.80E-06
	0.040000285		
10.174	ardrone_1	2.74E-05	-1.999991717
	0.039997313		
10.174	ardrone_2	2.68E-05	8.10E-06
	0.039997313		

10.175	ardrone_1	2.73E-05	-1.999991279
	0.040000649		
10.175	ardrone_2	2.67E-05	8.54E-06
	0.040000649		
10.176	ardrone_1	2.75E-05	-1.999990607
	0.039997746		
10.176	ardrone_2	2.69E-05	9.21E-06
	0.039997746		
10.177	ardrone_1	2.73E-05	-1.999990986
	0.040000435		
10.177	ardrone_2	2.67E-05	8.84E-06
	0.040000435		
10.178	ardrone_1	2.74E-05	-1.999991665
	0.039998075		
10.178	ardrone_2	2.68E-05	8.16E-06
	0.039998075		
10.179	ardrone_1	2.73E-05	-1.999991321
	0.040000865		
10.179	ardrone_2	2.68E-05	8.50E-06
	0.040000865		
10.18	ardrone_1	2.75E-05	-1.999990669
	0.039997681		
10.18	ardrone_2	2.70E-05	9.15E-06
	0.039997681		
10.181	ardrone_1	2.73E-05	-1.999991019
	0.040000285		
10.181	ardrone_2	2.68E-05	8.80E-06
	0.040000285		
10.182	ardrone_1	2.74E-05	-1.99999171
	0.039997313		
10.182	ardrone_2	2.69E-05	8.11E-06
	0.039997313		
10.182	ardrone_1	2.73E-05	-1.999991272
	0.040000649		
10.182	ardrone_2	2.68E-05	8.55E-06
	0.040000649		
10.183	ardrone_1	2.75E-05	-1.9999906
	0.039997746		
10.183	ardrone_2	2.69E-05	9.22E-06
	0.039997746		
10.185	ardrone_1	2.73E-05	-1.999990978
	0.040000435		

10.185	ardrone_2	2.68E-05	8.84E-06
	0.040000435		
10.186	ardrone_1	2.74E-05	-1.999991658
	0.039998075		
10.186	ardrone_2	2.68E-05	8.16E-06
	0.039998075		
10.186	ardrone_1	2.73E-05	-1.999991314
	0.040000865		
10.186	ardrone_2	2.68E-05	8.51E-06
	0.040000865		
10.188	ardrone_1	2.75E-05	-1.999990662
	0.039997681		
10.188	ardrone_2	2.70E-05	9.16E-06
	0.039997681		
10.189	ardrone_1	2.73E-05	-1.999991012
	0.040000285		
10.189	ardrone_2	2.68E-05	8.81E-06
	0.040000285		
10.19	ardrone_1	2.74E-05	-1.999991703
	0.039997313		
10.19	ardrone_2	2.69E-05	8.12E-06
	0.039997313		
10.191	ardrone_1	2.73E-05	-1.999991264
	0.040000649		
10.191	ardrone_2	2.68E-05	8.56E-06
	0.040000649		
10.191	ardrone_1	2.75E-05	-1.999990593
	0.039997746		
10.191	ardrone_2	2.70E-05	9.23E-06
	0.039997746		
10.193	ardrone_1	2.73E-05	-1.999990971
	0.040000435		
10.193	ardrone_2	2.68E-05	8.85E-06
	0.040000435		
10.194	ardrone_1	2.74E-05	-1.99999165
	0.039998075		
10.194	ardrone_2	2.69E-05	8.17E-06
	0.039998075		
10.194	ardrone_1	2.74E-05	-1.999991306
	0.040000865		
10.194	ardrone_2	2.68E-05	8.52E-06
	0.040000865		

10.195	ardrone_1	2.76E-05	-1.999990655
	0.039997681		
10.195	ardrone_2	2.70E-05	9.17E-06
	0.039997681		
10.197	ardrone_1	2.74E-05	-1.999991005
	0.040000285		
10.197	ardrone_2	2.68E-05	8.82E-06
	0.040000285		
10.198	ardrone_1	2.74E-05	-1.999991696
	0.039997313		
10.198	ardrone_2	2.69E-05	8.13E-06
	0.039997313		
10.199	ardrone_1	2.73E-05	-1.999991257
	0.040000649		
10.199	ardrone_2	2.68E-05	8.56E-06
	0.040000649		
10.2	ardrone_1	2.75E-05	-1.999990586
	0.039997746		
10.2	ardrone_2	2.70E-05	9.24E-06
	0.039997746		
10.201	ardrone_1	2.74E-05	-1.999990964
	0.040000435		
10.201	ardrone_2	2.68E-05	8.86E-06
	0.040000435		
10.202	ardrone_1	2.74E-05	-1.999991643
	0.039998075		
10.202	ardrone_2	2.69E-05	8.18E-06
	0.039998075		
10.203	ardrone_1	2.74E-05	-1.999991299
	0.040000865		
10.203	ardrone_2	2.68E-05	8.52E-06
	0.040000865		
10.204	ardrone_1	2.76E-05	-1.999990647
	0.039997681		
10.204	ardrone_2	2.70E-05	9.17E-06
	0.039997681		
10.205	ardrone_1	2.74E-05	-1.999990998
	0.040000285		
10.205	ardrone_2	2.68E-05	8.82E-06
	0.040000285		
10.206	ardrone_1	2.75E-05	-1.999991689
	0.039997313		

10.206	ardrone_2	2.69E-05	8.13E-06
	0.039997313		
10.207	ardrone_1	2.74E-05	-1.99999125
	0.040000649		
10.207	ardrone_2	2.68E-05	8.57E-06
	0.040000649		
10.208	ardrone_1	2.76E-05	-1.999990578
	0.039997746		
10.208	ardrone_2	2.70E-05	9.24E-06
	0.039997746		
10.209	ardrone_1	2.74E-05	-1.999990957
	0.040000435		
10.209	ardrone_2	2.68E-05	8.86E-06
	0.040000435		
10.21	ardrone_1	2.75E-05	-1.999991636
	0.039998075		
10.21	ardrone_2	2.69E-05	8.19E-06
	0.039998075		
10.211	ardrone_1	2.74E-05	-1.999991292
	0.040000865		
10.211	ardrone_2	2.69E-05	8.53E-06
	0.040000865		
10.212	ardrone_1	2.76E-05	-1.99999064
	0.039997681		
10.212	ardrone_2	2.71E-05	9.18E-06
	0.039997681		
10.213	ardrone_1	2.74E-05	-1.999990991
	0.040000285		
10.213	ardrone_2	2.69E-05	8.83E-06
	0.040000285		
10.214	ardrone_1	2.75E-05	-1.999991682
	0.039997313		
10.214	ardrone_2	2.69E-05	8.14E-06
	0.039997313		
10.215	ardrone_1	2.74E-05	-1.999991243
	0.040000649		
10.215	ardrone_2	2.68E-05	8.58E-06
	0.040000649		
10.216	ardrone_1	2.76E-05	-1.999990571
	0.039997746		
10.216	ardrone_2	2.70E-05	9.25E-06
	0.039997746		



10.217	ardrone_1	2.74E-05	-1.99999095	
	0.040000435			
10.217	ardrone_2	2.69E-05	8.87E-06	
	0.040000435			
10.218	ardrone_1	2.75E-05	-1.999991629	
	0.039998075			
10.218	ardrone_2	2.69E-05	8.19E-06	
	0.039998075			
10.219	ardrone_1	2.75E-05	-1.999992309	
	0.040008206			
10.219	ardrone_2	2.69E-05	8.54E-06	
	0.040000865			
10.22	ardrone_1	2.76E-05	-1.999992988	
	0.040008537			
10.22	ardrone_2	2.71E-05	9.19E-06	
	0.039997681			
10.221	ardrone_1	2.77E-05	-1.999993669	
	0.040028466			
10.221	ardrone_2	2.69E-05	8.84E-06	
	0.040000285			
10.222	ardrone_1	2.77E-05	-1.99999435	
	0.040038595			
10.222	ardrone_2	2.70E-05	8.15E-06	
	0.039997313			
10.223	ardrone_1	2.78E-05	-1.999995033	
	0.040068247			
10.223	ardrone_2	2.69E-05	8.59E-06	
	0.040000649			
10.224	ardrone_1	2.79E-05	-1.999995716	0.0400881
10.224	ardrone_2	2.71E-05	9.26E-06	
	0.039997746			
10.225	ardrone_1	2.79E-05	-1.999996403	
	0.040127404			
10.225	ardrone_2	2.69E-05	8.88E-06	
	0.040000435			
10.226	ardrone_1	2.80E-05	-1.999997089	
	0.040156908			
10.226	ardrone_2	2.69E-05	8.20E-06	
	0.039998075			
10.227	ardrone_1	2.81E-05	-1.99999778	
	0.04020579			
10.227	ardrone_2	2.69E-05	8.54E-06	
	0.040000865			

10.228	ardrone_1	2.81E-05	-1.999998471
	0.040244873		
10.228	ardrone_2	2.71E-05	9.20E-06
	0.039997681		
10.229	ardrone_1	2.82E-05	-1.999999167
	0.040303262		
10.229	ardrone_2	2.69E-05	8.85E-06
	0.040000285		
10.23	ardrone_1	2.83E-05	-1.999999864
	0.040351852		
10.23	ardrone_2	2.70E-05	8.15E-06
	0.039997313		
10.231	ardrone_1	2.83E-05	-2.000000566
	0.040419677		
10.231	ardrone_2	2.69E-05	8.59E-06
	0.040000649		
10.232	ardrone_1	2.84E-05	-2.000001268
	0.040477702		
10.232	ardrone_2	2.71E-05	9.26E-06
	0.039997746		
10.233	ardrone_1	2.85E-05	-2.000001977
	0.040554892		
10.233	ardrone_2	2.69E-05	8.89E-06
	0.040000435		
10.234	ardrone_1	2.86E-05	-2.000002686
	0.040622282		
10.234	ardrone_2	2.70E-05	8.21E-06
	0.039998075		
10.235	ardrone_1	2.86E-05	-2.000003404
	0.040708766		
10.235	ardrone_2	2.69E-05	8.55E-06
	0.040000865		
10.236	ardrone_1	2.87E-05	-2.000004121
	0.04078545		
10.236	ardrone_2	2.71E-05	9.20E-06
	0.039997681		
10.237	ardrone_1	2.88E-05	-2.000004847
	0.04088116		
10.237	ardrone_2	2.69E-05	8.85E-06
	0.040000285		
10.238	ardrone_1	2.88E-05	-2.000005572
	0.040967069		

10.238	ardrone_2	2.70E-05	8.16E-06
	0.039997313		
10.239	ardrone_1	2.89E-05	-2.000006308
	0.041071934		
10.239	ardrone_2	2.69E-05	8.60E-06
	0.040000649		
10.24	ardrone_1	2.90E-05	-2.000007043
	0.041166999		
10.24	ardrone_2	2.71E-05	9.27E-06
	0.039997746		
10.241	ardrone_1	2.90E-05	-2.000007789
	0.041280951		
10.241	ardrone_2	2.69E-05	8.89E-06
	0.040000435		
10.242	ardrone_1	2.91E-05	-2.000008534
	0.041385103		
10.242	ardrone_2	2.70E-05	8.21E-06
	0.039998075		
10.243	ardrone_1	2.92E-05	-2.000009291
	0.041508074		
10.243	ardrone_2	2.69E-05	8.56E-06
	0.040000865		
10.244	ardrone_1	2.93E-05	-2.000010048
	0.041621245		
10.244	ardrone_2	2.71E-05	9.21E-06
	0.039997681		
10.245	ardrone_1	2.93E-05	-2.000010817
	0.041753167		
10.245	ardrone_2	2.69E-05	8.86E-06
	0.040000285		
10.246	ardrone_1	2.94E-05	-2.000011586
	0.041875289		
10.246	ardrone_2	2.70E-05	8.17E-06
	0.039997313		
10.247	ardrone_1	2.95E-05	-2.000012367
	0.042016095		
10.247	ardrone_2	2.69E-05	8.61E-06
	0.040000649		
10.248	ardrone_1	2.96E-05	-2.000013149
	0.042147101		
10.248	ardrone_2	2.71E-05	9.28E-06
	0.039997746		

10.249	ardrone_1	2.96E-05	-2.000013944	
	0.042296725			
10.249	ardrone_2	2.69E-05	8.90E-06	
	0.040000435			
10.25	ardrone_1	2.97E-05	-2.000014739	
	0.042436548			
10.25	ardrone_2	2.70E-05	8.22E-06	
	0.039998075			
10.251	ardrone_1	2.98E-05	-2.000015548	
	0.042594923			
10.251	ardrone_2	2.70E-05	8.57E-06	
	0.040000865			
10.252	ardrone_1	2.99E-05	-2.000016357	
	0.042743498			
10.252	ardrone_2	2.72E-05	9.22E-06	
	0.039997681			
10.253	ardrone_1	2.99E-05	-2.000017181	
	0.042910559			
10.253	ardrone_2	2.70E-05	8.87E-06	
	0.040000285			
10.254	ardrone_1	3.00E-05	-2.000018005	
	0.043067819			
10.254	ardrone_2	2.71E-05	8.18E-06	
	0.039997313			
10.255	ardrone_1	3.01E-05	-2.000018844	0.0432435
10.255	ardrone_2	2.70E-05	8.61E-06	
	0.040000649			
10.256	ardrone_1	3.02E-05	-2.000019684	
	0.043409381			
10.256	ardrone_2	2.71E-05	9.29E-06	
	0.039997746			
10.257	ardrone_1	3.03E-05	-2.00002054	
	0.043593618			
10.257	ardrone_2	2.70E-05	8.91E-06	
	0.040000435			
10.258	ardrone_1	3.03E-05	-2.000021396	
	0.043768055			
10.258	ardrone_2	2.70E-05	8.23E-06	
	0.039998075			
10.259	ardrone_1	3.04E-05	-2.000022268	
	0.043960784			
10.259	ardrone_2	2.70E-05	8.57E-06	
	0.040000865			

10.26	ardrone_1	3.05E-05	-2.000023141
	0.044143713		
10.26	ardrone_2	2.72E-05	9.22E-06
	0.039997681		
10.261	ardrone_1	3.06E-05	-2.000024032
	0.04434487		
10.261	ardrone_2	2.70E-05	8.87E-06
	0.040000285		
10.262	ardrone_1	3.07E-05	-2.000024922
	0.044536227		
10.262	ardrone_2	2.71E-05	8.18E-06
	0.039997313		
10.263	ardrone_1	3.08E-05	-2.000025831
	0.044745748		
10.263	ardrone_2	2.70E-05	8.62E-06
	0.040000649		
10.264	ardrone_1	3.08E-05	-2.000026739
	0.04494547		
10.264	ardrone_2	2.72E-05	9.29E-06
	0.039997746		
10.265	ardrone_1	3.09E-05	-2.000027667
	0.045163293		
10.265	ardrone_2	2.70E-05	8.91E-06
	0.040000435		
10.266	ardrone_1	3.10E-05	-2.000028594
	0.045371317		
10.266	ardrone_2	2.71E-05	8.24E-06
	0.039998075		
10.267	ardrone_1	3.11E-05	-2.000029541
	0.045597381		
10.267	ardrone_2	2.70E-05	8.58E-06
	0.040000865		
10.268	ardrone_1	3.12E-05	-2.000030488
	0.045813644		
10.268	ardrone_2	2.72E-05	9.23E-06
	0.039997681		
10.269	ardrone_1	3.13E-05	-2.000031456
	0.046047886		
10.269	ardrone_2	2.70E-05	8.88E-06
	0.040000285		
10.27	ardrone_1	3.14E-05	-2.000032423
	0.046272327		

10.27	ardrone_2	2.71E-05	8.19E-06
	0.039997313		
10.271	ardrone_1	3.15E-05	-2.00003341
	0.046514685		
10.271	ardrone_2	2.70E-05	8.63E-06
	0.040000649		
10.272	ardrone_1	3.16E-05	-2.000034398
	0.046747244		
10.272	ardrone_2	2.72E-05	9.30E-06
	0.039997746		
10.273	ardrone_1	3.16E-05	-2.000035407
	0.046997658		
10.273	ardrone_2	2.70E-05	8.92E-06
	0.040000435		
10.274	ardrone_1	3.17E-05	-2.000036416
	0.047238272		
10.274	ardrone_2	2.71E-05	8.24E-06
	0.039998075		
10.275	ardrone_1	3.18E-05	-2.000037447
	0.047496681		
10.275	ardrone_2	2.70E-05	8.59E-06
	0.040000865		
10.276	ardrone_1	3.19E-05	-2.000038478
	0.04774529		
10.276	ardrone_2	2.72E-05	9.24E-06
	0.039997681		
10.277	ardrone_1	3.20E-05	-2.000039531
	0.048011635		
10.277	ardrone_2	2.70E-05	8.89E-06
	0.040000285		
10.278	ardrone_1	3.21E-05	-2.000040584
	0.04826818		
10.278	ardrone_2	2.71E-05	8.20E-06
	0.039997313		
10.279	ardrone_1	3.22E-05	-2.00004166
	0.048542401		
10.279	ardrone_2	2.70E-05	8.64E-06
	0.040000649		
10.28	ardrone_1	3.23E-05	-2.000042736
	0.048806822		
10.28	ardrone_2	2.72E-05	9.31E-06
	0.039997746		

10.281	ardrone_1	3.24E-05	-2.000043836
	0.049088859		
10.281	ardrone_2	2.70E-05	8.93E-06
	0.040000435		
10.282	ardrone_1	3.25E-05	-2.000044935
	0.049361097		
10.282	ardrone_2	2.71E-05	8.25E-06
	0.039998075		
10.283	ardrone_1	3.26E-05	-2.000046059
	0.049650893		
10.283	ardrone_2	2.71E-05	8.59E-06
	0.040000865		
10.284	ardrone_1	3.27E-05	-2.000047182
	0.049930888		
10.284	ardrone_2	2.73E-05	9.25E-06
	0.039997681		
10.285	ardrone_1	3.28E-05	-2.00004833
	0.050228384		
10.285	ardrone_2	2.71E-05	8.90E-06
	0.040000285		
10.286	ardrone_1	3.29E-05	-2.000049478
	0.05051608		
10.286	ardrone_2	2.71E-05	8.20E-06
	0.039997313		
10.287	ardrone_1	3.30E-05	-2.000050651
	0.050821218		
10.287	ardrone_2	2.70E-05	8.64E-06
	0.040000649		
10.288	ardrone_1	3.31E-05	-2.000051823
	0.051116556		
10.288	ardrone_2	2.72E-05	9.31E-06
	0.039997746		
10.289	ardrone_1	3.32E-05	-2.000053022
	0.051429279		
10.289	ardrone_2	2.71E-05	8.94E-06
	0.040000435		
10.29	ardrone_1	3.34E-05	-2.00005422
	0.051732202		
10.29	ardrone_2	2.71E-05	8.26E-06
	0.039998075		
10.291	ardrone_1	3.35E-05	-2.000055444
	0.052052453		

10.291	ardrone_2	2.71E-05	8.60E-06
	0.040000865		
10.292	ardrone_1	3.36E-05	-2.000056668
	0.052362905		
10.292	ardrone_2	2.73E-05	9.25E-06
	0.039997681		
10.293	ardrone_1	3.37E-05	-2.000057918
	0.052690627		
10.293	ardrone_2	2.71E-05	8.90E-06
	0.040000285		
10.294	ardrone_1	3.38E-05	-2.000059169
	0.05300855		
10.294	ardrone_2	2.72E-05	8.21E-06
	0.039997313		
10.295	ardrone_1	3.39E-05	-2.000060446
	0.053343688		
10.295	ardrone_2	2.71E-05	8.65E-06
	0.040000649		
10.296	ardrone_1	3.40E-05	-2.000061723
	0.053669027		
10.296	ardrone_2	2.72E-05	9.32E-06
	0.039997746		
10.297	ardrone_1	3.41E-05	-2.000063027
	0.054011525		
10.297	ardrone_2	2.71E-05	8.94E-06
	0.040000435		
10.298	ardrone_1	3.43E-05	-2.000064332
	0.054344223		
10.298	ardrone_2	2.71E-05	8.26E-06
	0.039998075		
10.299	ardrone_1	3.44E-05	-2.000065664
	0.054694026		
10.299	ardrone_2	2.71E-05	8.61E-06
	0.040000865		
10.3	ardrone_1	3.45E-05	-2.000066995
	0.055034029		
10.3	ardrone_2	2.73E-05	9.26E-06
	0.039997681		
10.301	ardrone_1	3.46E-05	-2.000068355
	0.055391082		
10.301	ardrone_2	2.71E-05	8.91E-06
	0.040000285		



10.302	ardrone_1	3.47E-05	-2.000069715
	0.055738335		
10.302	ardrone_2	2.72E-05	8.22E-06
	0.039997313		
10.303	ardrone_1	3.49E-05	-2.000071104
	0.056102584		
10.303	ardrone_2	2.71E-05	8.66E-06
	0.040000649		
10.304	ardrone_1	3.50E-05	-2.000072492
	0.056457032		
10.304	ardrone_2	2.73E-05	9.33E-06
	0.039997746		
10.305	ardrone_1	3.51E-05	-2.000073909
	0.056828423		
10.305	ardrone_2	2.71E-05	8.95E-06
	0.040000435		
10.306	ardrone_1	3.52E-05	-2.000075327
	0.057190013		
10.306	ardrone_2	2.72E-05	8.27E-06
	0.039998075		
10.307	ardrone_1	3.54E-05	-2.000076773
	0.057568491		
10.307	ardrone_2	2.71E-05	8.62E-06
	0.040000865		
10.308	ardrone_1	3.55E-05	-2.00007822
	0.057937169		
10.308	ardrone_2	2.73E-05	9.27E-06
	0.039997681		
10.309	ardrone_1	3.56E-05	-2.000079696
	0.058322683		
10.309	ardrone_2	2.71E-05	8.92E-06
	0.040000285		
10.31	ardrone_1	3.58E-05	-2.000081172
	0.058698396		
10.31	ardrone_2	2.72E-05	8.23E-06
	0.039997313		
10.311	ardrone_1	3.59E-05	-2.000082678
	0.059090891		
10.311	ardrone_2	2.71E-05	8.66E-06
	0.040000649		
10.312	ardrone_1	3.60E-05	-2.000084184
	0.059473587		

10.312	ardrone_2	2.73E-05	9.34E-06
	0.039997746		
10.313	ardrone_1	3.62E-05	-2.00008572
	0.059873012		
10.313	ardrone_2	2.71E-05	8.96E-06
	0.040000435		
10.314	ardrone_1	3.63E-05	-2.000087256
	0.060262637		
10.314	ardrone_2	2.72E-05	8.28E-06
	0.039998075		
10.315	ardrone_1	3.64E-05	-2.000088823
	0.06066894		
10.315	ardrone_2	2.71E-05	8.62E-06
	0.040000865		
10.316	ardrone_1	3.66E-05	-2.00009039
	0.061065443		
10.316	ardrone_2	2.73E-05	9.27E-06
	0.039997681		
10.317	ardrone_1	3.67E-05	-2.000091988
	0.061478572		
10.317	ardrone_2	2.71E-05	8.92E-06
	0.040000285		
10.318	ardrone_1	3.69E-05	-2.000093586
	0.061881901		
10.318	ardrone_2	2.72E-05	8.23E-06
	0.039997313		
10.319	ardrone_1	3.70E-05	-2.000095215
	0.062301805		
10.319	ardrone_2	2.71E-05	8.67E-06
	0.040000649		
10.32	ardrone_1	3.71E-05	-2.000096844
	0.062711909		
10.32	ardrone_2	2.73E-05	9.34E-06
	0.039997746		
10.321	ardrone_1	3.73E-05	-2.000098505
	0.063138538		
10.321	ardrone_2	2.71E-05	8.96E-06
	0.040000435		
10.322	ardrone_1	3.74E-05	-2.000100166
	0.063555366		
10.322	ardrone_2	2.72E-05	8.29E-06
	0.039998075		

10.323	ardrone_1	3.76E-05	-2.000101859	
	0.063988668			
10.323	ardrone_2	2.72E-05	8.63E-06	
	0.040000865			
10.324	ardrone_1	3.77E-05	-2.000103551	
	0.06441217			
10.324	ardrone_2	2.74E-05	9.28E-06	
	0.039997681			
10.325	ardrone_1	3.79E-05	-2.000105276	
	0.064852096			
10.325	ardrone_2	2.72E-05	8.93E-06	
	0.040000285			
10.326	ardrone_1	3.80E-05	-2.000107001	
	0.065282222			
10.326	ardrone_2	2.72E-05	8.24E-06	
	0.039997313			
10.327	ardrone_1	3.82E-05	-2.000108759	
	0.065728722			
10.327	ardrone_2	2.71E-05	8.68E-06	
	0.040000649			
10.328	ardrone_1	3.83E-05	-2.000110517	
	0.066165422			
10.328	ardrone_2	2.73E-05	9.35E-06	
	0.039997746			
10.329	ardrone_1	3.85E-05	-2.000112307	
	0.066618447			
10.329	ardrone_2	2.72E-05	8.97E-06	
	0.040000435			
10.33	ardrone_1	3.86E-05	-2.000114097	
	0.067061671			
10.33	ardrone_2	2.72E-05	8.29E-06	
	0.039998075			
10.331	ardrone_1	3.88E-05	-2.000115921	
	0.067521172			
10.331	ardrone_2	2.72E-05	8.64E-06	
	0.040000865			
10.332	ardrone_1	3.90E-05	-2.000117744	
	0.067970872			
10.332	ardrone_2	2.74E-05	9.29E-06	
	0.039997681			
10.333	ardrone_1	3.91E-05	-2.000119601	0.0684368
10.333	ardrone_2	2.72E-05	8.94E-06	
	0.040000285			

10.334	ardrone_1	3.93E-05	-2.000121458
	0.068892928		
10.334	ardrone_2	2.73E-05	8.25E-06
	0.039997313		
10.335	ardrone_1	3.94E-05	-2.000123348
	0.069365234		
10.335	ardrone_2	2.72E-05	8.69E-06
	0.040000649		
10.336	ardrone_1	3.96E-05	-2.000125239
	0.069827741		
10.336	ardrone_2	2.74E-05	9.36E-06
	0.039997746		
10.337	ardrone_1	3.98E-05	-2.000127163
	0.070306379		
10.337	ardrone_2	2.72E-05	8.98E-06
	0.040000435		
10.338	ardrone_1	3.99E-05	-2.000129087
	0.070775217		
10.338	ardrone_2	2.73E-05	8.30E-06
	0.039998075		
10.339	ardrone_1	4.01E-05	-2.000131046
	0.071260138		
10.339	ardrone_2	2.72E-05	8.64E-06
	0.040000865		
10.339	ardrone_1	4.03E-05	-2.000133004
	0.07173526		
10.339	ardrone_2	2.74E-05	9.30E-06
	0.039997681		
10.341	ardrone_1	4.05E-05	-2.000134997
	0.072226418		
10.341	ardrone_2	2.72E-05	8.94E-06
	0.040000285		
10.342	ardrone_1	4.06E-05	-2.00013699
	0.072707777		
10.342	ardrone_2	2.73E-05	8.25E-06
	0.039997313		
10.342	ardrone_1	4.08E-05	-2.000139017
	0.073205125		
10.342	ardrone_2	2.72E-05	8.69E-06
	0.040000649		
10.344	ardrone_1	4.10E-05	-2.000141045
	0.073692673		

10.344	ardrone_2	2.74E-05	9.36E-06
	0.039997746		
10.345	ardrone_1	4.11E-05	-2.000143107
	0.074196164		
10.345	ardrone_2	2.72E-05	8.99E-06
	0.040000435		
10.346	ardrone_1	4.13E-05	-2.000145169
	0.074689855		
10.346	ardrone_2	2.73E-05	8.31E-06
	0.039998075		
10.347	ardrone_1	4.15E-05	-2.000147267
	0.075199444		
10.347	ardrone_2	2.72E-05	8.65E-06
	0.040000865		
10.347	ardrone_1	4.17E-05	-2.000149364
	0.075699233		
10.347	ardrone_2	2.74E-05	9.30E-06
	0.039997681		
10.349	ardrone_1	4.19E-05	-2.000151496
	0.076214873		
10.349	ardrone_2	2.72E-05	8.95E-06
	0.040000285		
10.35	ardrone_1	4.21E-05	-2.000153629
	0.076720713		
10.35	ardrone_2	2.73E-05	8.26E-06
	0.039997313		
10.351	ardrone_1	4.22E-05	-2.000155797
	0.07724236		
10.351	ardrone_2	2.72E-05	8.70E-06
	0.040000649		
10.352	ardrone_1	4.24E-05	-2.000157965
	0.077754206		
10.352	ardrone_2	2.74E-05	9.37E-06
	0.039997746		
10.352	ardrone_1	4.26E-05	-2.000160169
	0.078281814		
10.352	ardrone_2	2.72E-05	8.99E-06
	0.040000435		
10.353	ardrone_1	4.28E-05	-2.000162372
	0.078799621		
10.353	ardrone_2	2.73E-05	8.31E-06
	0.039998075		

10.355	ardrone_1	4.30E-05	-2.000164612
	0.079333145		
10.355	ardrone_2	2.73E-05	8.66E-06
	0.040000865		
10.356	ardrone_1	4.32E-05	-2.000166851
	0.07985687		
10.356	ardrone_2	2.75E-05	9.31E-06
	0.039997681		
10.357	ardrone_1	4.34E-05	-2.000169127
	0.080396266		
10.357	ardrone_2	2.73E-05	8.96E-06
	0.040000285		
10.358	ardrone_1	4.36E-05	-2.000171403
	0.080925862		
10.358	ardrone_2	2.73E-05	8.27E-06
	0.039997313		
10.359	ardrone_1	4.38E-05	-2.000173714
	0.081471086		
10.359	ardrone_2	2.72E-05	8.71E-06
	0.040000649		
10.36	ardrone_1	4.40E-05	-2.000176026
	0.08200651		
10.36	ardrone_2	2.74E-05	9.38E-06
	0.039997746		
10.361	ardrone_1	4.42E-05	-2.000178374
	0.082557518		
10.361	ardrone_2	2.73E-05	9.00E-06
	0.040000435		
10.362	ardrone_1	4.44E-05	-2.000180722
	0.083098727		
10.362	ardrone_2	2.73E-05	8.32E-06
	0.039998075		
10.363	ardrone_1	4.46E-05	-2.000183107
	0.083655476		
10.363	ardrone_2	2.73E-05	8.67E-06
	0.040000865		
10.364	ardrone_1	4.48E-05	-2.000185492
	0.084202425		
10.364	ardrone_2	2.75E-05	9.32E-06
	0.039997681		
10.365	ardrone_1	4.50E-05	-2.000187913
	0.084764873		

10.365	ardrone_2	2.73E-05	8.97E-06
	0.040000285		
10.366	ardrone_1	4.52E-05	-2.000190335
	0.08531752		
10.366	ardrone_2	2.74E-05	8.28E-06
	0.039997313		
10.367	ardrone_1	4.54E-05	-2.000192793
	0.085885622		
10.367	ardrone_2	2.73E-05	8.71E-06
	0.040000649		
10.368	ardrone_1	4.56E-05	-2.000195251
	0.086443925		
10.368	ardrone_2	2.74E-05	9.39E-06
	0.039997746		
10.369	ardrone_1	4.58E-05	-2.000197747
	0.08701764		
10.369	ardrone_2	2.73E-05	9.01E-06
	0.040000435		
10.37	ardrone_1	4.60E-05	-2.000200242
	0.087581555		
10.37	ardrone_2	2.73E-05	8.33E-06
	0.039998075		
10.371	ardrone_1	4.63E-05	-2.000202774
	0.08816084		
10.371	ardrone_2	2.73E-05	8.67E-06
	0.040000865		
10.372	ardrone_1	4.65E-05	-2.000205307
	0.088730326		
10.372	ardrone_2	2.75E-05	9.32E-06
	0.039997681		
10.373	ardrone_1	4.67E-05	-2.000207877
	0.089315141		
10.373	ardrone_2	2.73E-05	8.97E-06
	0.040000285		
10.374	ardrone_1	4.69E-05	-2.000210446
	0.089890155		
10.374	ardrone_2	2.74E-05	8.28E-06
	0.039997313		
10.375	ardrone_1	4.71E-05	-2.000213054
	0.090480457		
10.375	ardrone_2	2.73E-05	8.72E-06
	0.040000649		

10.376	ardrone_1	4.73E-05	-2.000215661
	0.091060959		
10.376	ardrone_2	2.75E-05	9.39E-06
	0.039997746		
10.377	ardrone_1	4.76E-05	-2.000218306
	0.091656707		
10.377	ardrone_2	2.73E-05	9.01E-06
	0.040000435		
10.378	ardrone_1	4.78E-05	-2.000220951
	0.092242655		
10.378	ardrone_2	2.74E-05	8.34E-06
	0.039998075		
10.379	ardrone_1	4.80E-05	-2.000223633
	0.092843809		
10.379	ardrone_2	2.73E-05	8.68E-06
	0.040000865		
10.38	ardrone_1	4.83E-05	-2.000226315
	0.093435162		
10.38	ardrone_2	2.75E-05	9.33E-06
	0.039997681		
10.381	ardrone_1	4.85E-05	-2.000229036
	0.094041681		
10.381	ardrone_2	2.73E-05	8.98E-06
	0.040000285		
10.382	ardrone_1	4.87E-05	-2.000231756
	0.094638399		
10.382	ardrone_2	2.74E-05	8.29E-06
	0.039997313		
10.383	ardrone_1	4.89E-05	-2.000234514
	0.095250242		
10.383	ardrone_2	2.73E-05	8.73E-06
	0.040000649		
10.384	ardrone_1	4.92E-05	-2.000237272
	0.095852285		
10.384	ardrone_2	2.75E-05	9.40E-06
	0.039997746		
10.385	ardrone_1	4.94E-05	-2.000240069
	0.096469413		
10.385	ardrone_2	2.73E-05	9.02E-06
	0.040000435		
10.386	ardrone_1	4.97E-05	-2.000242865
	0.09707674		



10.386	ardrone_2	2.74E-05	8.34E-06
	0.039998075		
10.387	ardrone_1	4.99E-05	-2.000245699
	0.097699113		
10.387	ardrone_2	2.73E-05	8.69E-06
	0.040000865		
10.388	ardrone_1	5.01E-05	-2.000248534
	0.098311686		
10.388	ardrone_2	2.75E-05	9.34E-06
	0.039997681		
10.389	ardrone_1	5.04E-05	-2.000251406
	0.098939264		
10.389	ardrone_2	2.73E-05	8.99E-06
	0.040000285		
10.39	ardrone_1	5.06E-05	-2.000254279
	0.099557042		
10.39	ardrone_2	2.74E-05	8.30E-06
	0.039997313		
10.39	ardrone_1	5.09E-05	-2.00025719
	0.100189787		
10.39	ardrone_2	2.73E-05	8.74E-06
	0.040000649		
10.392	ardrone_1	5.11E-05	-2.000260101
	0.100812732		
10.392	ardrone_2	2.75E-05	9.41E-06
	0.039997746		
10.393	ardrone_1	5.14E-05	-2.00026305
	0.101450605		
10.393	ardrone_2	2.73E-05	9.03E-06
	0.040000435		
10.394	ardrone_1	5.16E-05	-2.000265999
	0.102078678		
10.394	ardrone_2	2.74E-05	8.35E-06
	0.039998075		
10.395	ardrone_1	5.19E-05	-2.000268987
	0.10272164		
10.395	ardrone_2	2.74E-05	8.69E-06
	0.040000865		
10.396	ardrone_1	5.21E-05	-2.000271975
	0.103354803		
10.396	ardrone_2	2.76E-05	9.35E-06
	0.039997681		

10.397	ardrone_1	5.24E-05	-2.000275001
	0.104002816		
10.397	ardrone_2	2.74E-05	8.99E-06
	0.040000285		
10.398	ardrone_1	5.26E-05	-2.000278028
	0.10464103		
10.398	ardrone_2	2.74E-05	8.30E-06
	0.039997313		
10.398	ardrone_1	5.29E-05	-2.000281093
	0.105294057		
10.398	ardrone_2	2.73E-05	8.74E-06
	0.040000649		
10.4	ardrone_1	5.31E-05	-2.000284158
	0.105937284		
10.4	ardrone_2	2.75E-05	9.41E-06
	0.039997746		
10.401	ardrone_1	5.34E-05	-2.000287261
	0.106595287		
10.401	ardrone_2	2.74E-05	9.04E-06
	0.040000435		
10.402	ardrone_1	5.37E-05	-2.000290365
	0.10724349		
10.402	ardrone_2	2.74E-05	8.36E-06
	0.039998075		
10.403	ardrone_1	5.39E-05	-2.000293508
	0.107906431		
10.403	ardrone_2	2.74E-05	8.70E-06
	0.040000865		
10.404	ardrone_1	5.42E-05	-2.00029665
	0.108559572		
10.404	ardrone_2	2.76E-05	9.35E-06
	0.039997681		
10.405	ardrone_1	5.45E-05	-2.000299831
	0.109227415		
10.405	ardrone_2	2.74E-05	9.00E-06
	0.040000285		
10.406	ardrone_1	5.47E-05	-2.000303013
	0.109885457		
10.406	ardrone_2	2.75E-05	8.31E-06
	0.039997313		
10.407	ardrone_1	5.50E-05	-2.000306233
	0.110558165		

10.407	ardrone_2	2.74E-05	8.75E-06
	0.040000649		
10.408	ardrone_1	5.53E-05	-2.000309453
	0.111221072		
10.408	ardrone_2	2.76E-05	9.42E-06
	0.039997746		
10.409	ardrone_1	5.55E-05	-2.000312713
	0.111898608		
10.409	ardrone_2	2.74E-05	9.04E-06
	0.040000435		
10.41	ardrone_1	5.58E-05	-2.000315972
	0.112566343		
10.41	ardrone_2	2.75E-05	8.36E-06
	0.039998075		
10.411	ardrone_1	5.61E-05	-2.00031927
	0.113248671		
10.411	ardrone_2	2.74E-05	8.71E-06
	0.040000865		
10.412	ardrone_1	5.64E-05	-2.000322568
	0.113921198		
10.412	ardrone_2	2.76E-05	9.36E-06
	0.039997681		
10.413	ardrone_1	5.66E-05	-2.000325906
	0.114608282		
10.413	ardrone_2	2.74E-05	9.01E-06
	0.040000285		
10.414	ardrone_1	5.69E-05	-2.000329243
	0.115285565		
10.414	ardrone_2	2.75E-05	8.32E-06
	0.039997313		
10.415	ardrone_1	5.72E-05	-2.000332619
	0.115977369		
10.415	ardrone_2	2.74E-05	8.76E-06
	0.040000649		
10.416	ardrone_1	5.75E-05	-2.000335996
	0.116659373		
10.416	ardrone_2	2.76E-05	9.43E-06
	0.039997746		
10.417	ardrone_1	5.78E-05	-2.000339411
	0.117355862		
10.417	ardrone_2	2.74E-05	9.05E-06
	0.040000435		

10.418	ardrone_1	5.81E-05	-2.000342827
	0.118042551		
10.418	ardrone_2	2.75E-05	8.37E-06
	0.039998075		
10.419	ardrone_1	5.84E-05	-2.000346281
	0.118743689		
10.419	ardrone_2	2.74E-05	8.71E-06
	0.040000865		
10.419	ardrone_1	5.86E-05	-2.000349736
	0.119435028		
10.419	ardrone_2	2.76E-05	9.37E-06
	0.039997681		
10.421	ardrone_1	5.89E-05	-2.00035323
	0.120140782		
10.421	ardrone_2	2.74E-05	9.02E-06
	0.040000285		
10.422	ardrone_1	5.92E-05	-2.000356724
	0.120836735		
10.422	ardrone_2	2.75E-05	8.33E-06
	0.039997313		
10.423	ardrone_1	5.95E-05	-2.000360257
	0.121547069		
10.423	ardrone_2	2.74E-05	8.76E-06
	0.040000649		
10.423	ardrone_1	5.98E-05	-2.00036379
	0.122247603		
10.423	ardrone_2	2.76E-05	9.44E-06
	0.039997746		
10.425	ardrone_1	6.01E-05	-2.000367363
	0.122962483		
10.425	ardrone_2	2.74E-05	9.06E-06
	0.040000435		
10.426	ardrone_1	6.04E-05	-2.000370935
	0.123667563		
10.426	ardrone_2	2.75E-05	8.38E-06
	0.039998075		
10.427	ardrone_1	6.07E-05	-2.000374547
	0.124386955		
10.427	ardrone_2	2.74E-05	8.72E-06
	0.040000865		
10.428	ardrone_1	6.10E-05	-2.000378158
	0.125096547		

10.428	ardrone_2	2.76E-05	9.37E-06
	0.039997681		
10.429	ardrone_1	6.13E-05	-2.000381809
	0.125820416		
10.429	ardrone_2	2.75E-05	9.02E-06
	0.040000285		
10.43	ardrone_1	6.16E-05	-2.00038546
	0.126534486		
10.43	ardrone_2	2.75E-05	8.33E-06
	0.039997313		
10.431	ardrone_1	6.19E-05	-2.000389151
	0.127262801		
10.431	ardrone_2	2.74E-05	8.77E-06
	0.040000649		
10.432	ardrone_1	6.23E-05	-2.000392841
	0.127981315		
10.432	ardrone_2	2.76E-05	9.44E-06
	0.039997746		
10.433	ardrone_1	6.26E-05	-2.000396571
	0.12871404		
10.433	ardrone_2	2.74E-05	9.06E-06
	0.040000435		
10.434	ardrone_1	6.29E-05	-2.0004003
	0.129436966		
10.434	ardrone_2	2.75E-05	8.39E-06
	0.039998075		
10.435	ardrone_1	6.32E-05	-2.000404069
	0.130174069		
10.435	ardrone_2	2.75E-05	8.73E-06
	0.040000865		
10.436	ardrone_1	6.35E-05	-2.000407838
	0.130901373		
10.436	ardrone_2	2.77E-05	9.38E-06
	0.039997681		
10.437	ardrone_1	6.38E-05	-2.000411647
	0.131642822		
10.437	ardrone_2	2.75E-05	9.03E-06
	0.040000285		
10.438	ardrone_1	6.41E-05	-2.000415455
	0.13237447		
10.438	ardrone_2	2.76E-05	8.34E-06
	0.039997313		

10.439	ardrone_1	6.45E-05	-2.000419303
	0.133120232		
10.439	ardrone_2	2.75E-05	8.78E-06
	0.040000649		
10.44	ardrone_1	6.48E-05	-2.00042315
	0.133856193		
10.44	ardrone_2	2.76E-05	9.45E-06
	0.039997746		
10.441	ardrone_1	6.51E-05	-2.000427037
	0.134606235		
10.441	ardrone_2	2.75E-05	9.07E-06
	0.040000435		
10.442	ardrone_1	6.54E-05	-2.000430924
	0.135346476		
10.442	ardrone_2	2.75E-05	8.39E-06
	0.039998075		
10.443	ardrone_1	6.58E-05	-2.000434851
	0.136100766		
10.443	ardrone_2	2.75E-05	8.74E-06
	0.040000865		
10.444	ardrone_1	6.61E-05	-2.000438777
	0.136845256		
10.444	ardrone_2	2.77E-05	9.39E-06
	0.039997681		
10.445	ardrone_1	6.64E-05	-2.000442743
	0.137603762		
10.445	ardrone_2	2.75E-05	9.04E-06
	0.040000285		
10.446	ardrone_1	6.68E-05	-2.000446709
	0.138352468		
10.446	ardrone_2	2.76E-05	8.35E-06
	0.039997313		

## 12 Appendix C — How to Run Pipeline

```
# 1. Launch Gazebo
roslaunch ardrone_gazebo two_ardrone.launch

# 2. Run pipeline
python3 assignment.py --mission /home/rahul/missions/
    multi_mission.json
```

Outputs:

- all\_trajs.csv
- conflicts.json
- primary\_4d.png
- deconflict\_report.txt