

UAV Sensing Implemented Indoor 3D Wi-Fi Spectrum Rebuilding

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Abstract—Nowadays UAV is the most convenient things to implement spectrum seing in indoor or out door circumstance. This statement aims to test the "enter" is allright. So that's why we talk about this.

Index Terms—IEEEtran, journal, L^AT_EX, paper, template.

I. INTRODUCTION

THIS demo file is intended to serve as a "starter file" for IEEE journal papers produced under L^AT_EX using IEEEtran.cls version 1.7 and later.

I wish you the best of success.

These paper is created by *Yang Yuzhe* for demo.

Hope it can help you in some ways.

Also, bless for my own paper. Fight on.

Yuzhe Yang

December 27, 2016

A. Subsection Heading Here

Subsection text here.

1) *Subsubsection Heading Here*: Subsubsection text here.

II. CONCLUSION

The conclusion goes here.

APPENDIX A

PROOF OF THE FIRST ZONKLAR EQUATION

Appendix one text goes here.

APPENDIX B

Appendix two text goes here.

ACKNOWLEDGMENT

The authors would like to thank...

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Manuscript received April 19, 2005; revised January 11, 2007.

Algorithm 1 UAV Sensing for the t_i -th survey

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1: (1) //During the first measurement period (method one)
2: for  $j = 1$  to  $m$  do
3:   Measure spectrum merits and record;
4:   Move and randomize current locations within  $Cube_i$ ;
5: end for
6:
7: (2) //During a navigation period
8:  $Cube_{next} \leftarrow$  determine next Cube under present  $Cube_i$ ;
9: if  $Cube_{next} == \text{NULL}$  then
10:   move to a start-point;
11:   enter the update period(3);
12: else
13:   move to  $Cube_{next}$ ;
14:   enter the measurement period(1);
15: end if
16:
17: (3) //During the update period
18: update a spectrum-condition map under  $Cube_i$ ;
19:  $c_i \leftarrow$  count cubes whose condition deviates by  $\sigma$ ;
20: if  $c_i > 0$  and  $Curmode == method\ two$  then
21:   add  $Cube_i$  to  $SuspectCubes(E_n)$ ;
22:   for  $j = 1$  to neighbor cubes do
23:     enter the measurement period(1);
24:   end for
25:   update the recent spectrum map;
26: end if
27:
28: (4) //During the selective period (method three)
29: for all  $c_i$  such that  $c_i \in SuspectCubes(E_n)$  do
30:   Generate Min Coverage  $D$  of  $SuspectCubes(E_n)$ ;
31: end for
32: for all  $c_i \in D$  do
33:   if  $c_i \leftarrow$  count deviates by  $\sigma$  then
34:     enter the update period(3);
35:   end if
36: end for

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Michael Shell Biography text here.

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