

# How Panda Cubs Survive in Distributed Networks

by

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## **How Panda Cubs Survive in Distributed Networks**

### **Abstract**

It was the best of times, it was the worst of times, it was the age of wisdom, it was the age of foolishness, it was the epoch of belief, it was the epoch of incredulity, it was the season of Light, it was the season of Darkness, it was the spring of hope, it was the winter of despair, we had everything before us, we had nothing before us, we were all going direct to Heaven, we were all going direct the other way — in short, the period was so far like the present period, that some of its noisiest authorities insisted on its being received, for good or for evil, in the superlative degree of comparison only.

**Keywords:** Distributed Networks, Giant Panda, Thesis Formatting.

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## **Acknowledgements**

I'd like to thank my committee, my parents and my two lovely pandas.

*The thesis is dedicated to my imaginary girlfriend.*



## 1.1 AMS Theorem Styles

*Remark 1.* This statement is true, I guess.

**Theorem 1.** *Let  $f$  be a function whose derivative exists in every point, then  $f$  is a continuous function.*

**Definition 1.** The **centre** of a graph  $G$  is the set of all vertices of minimum eccentricity.

Let  $V = \{v_1, v_2, \dots, v_n\}$  and  $\mathfrak{E} = \{\mathfrak{e}_1, \mathfrak{e}_2, \dots, \mathfrak{e}_m\}$ . The  $n \times m$  incidence matrix of a hypergraph  $H = (V, \mathfrak{E})$  is a  $(0, 1)$ -matrix  $A = (a_{ij})$  where

$$a_{i,j} = \begin{cases} 1, & \text{if } v_i \in \mathfrak{e}_j \\ 0, & \text{otherwise.} \end{cases}$$

And easily we can see that the incidence matrix of  $H$  is just the biadjacency matrix of the original graph [1, pp. 22].

## 1.2 Tables, Figures and Images

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| Col1 | Col2 | Col2  | Col3 |
|------|------|-------|------|
| 1    | 6    | 87837 | 787  |
| 2    | 7    | 78    | 5415 |
| 3    | 545  | 778   | 7507 |
| 4    | 545  | 18744 | 7560 |
| 5    | 88   | 788   | 6344 |

**Table 1.1:** Table to test captions and labels

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**Figure 1.1:** A newborn panda cub

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ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.



**Figure 1.2:** Curves

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All human things are subject to  
decay, and when fate summons,  
Monarchs must obey.

---

*Mac Flecknoe*  
JOHN DRYDEN

**i**

**Notice:** This is an interesting piece of information, to which the reader  
should pay special attention.

Suspendisse vel felis. Ut lorem lorem, interdum eu, tincidunt sit amet,  
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urna sed ultricies auctor, pede lorem egestas dui, et convallis elit erat sed nulla.  
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ultricies non, pharetra in, velit. Integer arcu est, nonummy in, fermentum faucibus, egestas vel, odio.

**Problem 1**

In congue risus leo, in gravida enim viverra id. Donec eros mauris, bibendum vel dui at, tempor commodo augue. In vel lobortis lacus. Nam ornare ullamcorper mauris vel molestie. Maecenas vehicula ornare turpis, vitae fringilla orci consectetur vel. Nam pulvinar justo nec neque egestas tristique. Donec ac dolor at libero congue varius sed vitae lectus. Donec et tristique nulla, sit amet scelerisque orci. Maecenas a vestibulum lectus, vitae gravida nulla. Proin eget volutpat orci. Morbi eu aliquet turpis. Vivamus molestie urna quis tempor tristique. Proin hendrerit sem nec tempor sollicitudin.

## Bibliography

- [1] A. S. Tanenbaum and D. J. Wetherall. Computer networks fifth edition.  
In *Pearson Education, Inc.* Prentice Hall, 2011. 1



# Appendices



## Continued Fraction I

Sed commodo posuere pede. Mauris ut est. Ut quis purus. Sed ac odio. Sed vehicula hendrerit sem. Duis non odio. Morbi ut dui. Sed accumsan risus eget odio. In hac habitasse platea dictumst. Pellentesque non elit. Fusce sed justo eu urna porta tincidunt. Mauris felis odio, sollicitudin sed, volutpat a, ornare ac, erat. Morbi quis dolor. Donec pellentesque, erat ac sagittis semper, nunc dui lobortis purus, quis congue purus metus ultricies tellus. Proin et quam. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Praesent sapien turpis, fermentum vel, eleifend faucibus, vehicula eu, lacus.

$$x = a_0 + \frac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + a_4}}}$$



## Continued Fraction II

Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Donec odio elit, dictum in, hendrerit sit amet, egestas sed, leo. Praesent feugiat sapien aliquet odio. Integer vitae justo. Aliquam vestibulum fringilla lorem. Sed neque lectus, consectetur at, consectetur sed, eleifend ac, lectus. Nulla facilisi. Pellentesque eget lectus. Proin eu metus. Sed porttitor. In hac habitasse platea dictumst. Suspendisse eu lectus. Ut mi mi, lacinia sit amet, placerat et, mollis vitae, dui. Sed ante tellus, tristique ut, iaculis eu, malesuada ac, dui. Mauris nibh leo, facilisis non, adipiscing quis, ultrices a, dui.

$$x = a_0 + \frac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + a_4}}}$$