Beamer Template for Texas A&M University

Alick Zhao

Texas A&M University

July 16, 2017

Outline

Bullet Items

- Computers/computing everywhere — 10^4 CPUs per person
  - Real-world computing — sensors and actuators
  - Massively distributed and embedded
  - Collect data and make decisions
- Massive data — a TeraByte per person per day
  - Sensors, personal, scientific, business, etc...
  - Extract information from this mass of data
  - Serious privacy issues
- People will spend much time in virtual environments
  - Integrating digital and physical worlds
  - Games, Interactive Movies, Virtual Classrooms — many connected to physical spaces

A Block Example

Computers/computing everywhere — 10^4 CPUs per person

- Real-world computing — sensors and actuators
- Massively distributed and embedded
- Collect data and make decisions

Figure/Table in Columns

A sample figure.

A sample table.

Header	Value
Even	2
Odd	3

Formulas

- Electromagnetic Wave
  - Maxwell:

$$\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t} \tag{1}$$

$$\nabla \times \mathbf{H} = \mathbf{J} + \frac{\partial \mathbf{D}}{\partial t} \tag{2}$$

$$\nabla \cdot \mathbf{D} = \rho \tag{3}$$

$$\nabla \cdot \mathbf{B} = 0 \tag{4}$$

- Probability
  - Normal Distribution $\mathcal{N}(\mu, \sigma^2)$:

$$\int_{-\infty}^{\infty} \frac{1}{\sigma\sqrt{2\pi}} \mathrm{e}^{-\frac{(x-\mu)^2}{2\sigma^2}} \mathrm{d}x = 1\,.$$

Formulas With Texts

Formulas in plain texts: P_{out}

- Formulas in lists
  - EARTH model

$$P_{\text{in}} = \begin{cases} N_{\text{TRX}} P_0 + \Delta_{\text{p}} P_{\text{out}}, & 0 < P_{\text{out}} \leq P_{\text{max}} \\ N_{\text{TRX}} P_{\text{sleep}}, & P_{\text{out}} = 0 \end{cases} \tag{5}$$

Formulas in blocks

Here is the EARTH model again:

$$P_{\text{in}} = \begin{cases} N_{\text{TRX}} P_0 + \Delta_{\text{p}} P_{\text{out}}, & 0 < P_{\text{out}} \leq P_{\text{max}} \\ N_{\text{TRX}} P_{\text{sleep}}, & P_{\text{out}} = 0 \end{cases} \tag{6}$$

Title

Subtitle

- Item 1
- Item 2
- Footnote citations [1], [2]

[1] T. Tantau, J. Wright, and V. Miletić, *The Beamer Class User Guide for version 3.12*, 2011.

[2] C. E. Shannon, "A mathematical theory of communication," *Bell System Technical Journal*, vol. 27, pp. 379–423, 523–656, Jul. 1948. [Online]. Available: http://cm.bell-labs.com/cm/ms/what/shannonday/paper.html.

Summary

- Lorem ipsum
- An outlook to the future.

Thank you!

Alick Zhao
alick9188@gmail.com