Motivation for Knowledge Islamically—How Do We Use These Knowledge to Enhance Our Position In Science and Technology

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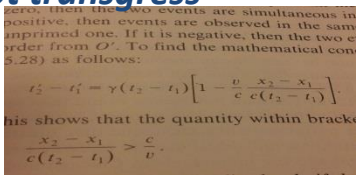
Overview of Discussion

- Motivation for knowledge—Why, Islamicaly
  - What does Quran state about science and technology
  - Couple of specific examples in nature and science
  - Using the above motivations, who we are as Muslims individually, and community of Muslims can contribute to humanity for the sake of the knowledge of Allah
- Up and coming technologies
  - Artificial Intelligence
    - Emerging drone market
      - Current transportation vehicle available and capabilities
      - Near future land and air personal transport
    - Building Management, Personal Homes, Material Science
  - Motors
- ***What if moment:*** Specific example of how observing nature can enable one to define product

Motivation for Knowledge

- Motivation for knowledge—Why, Islamicaly
  - What does Quran state about science and technology
  - Couple of specific examples in nature and science
    - ***Sura Al-Rahman: (55: 2~4) It is HE WHO has taught the Qur'an. HE has created man. HE has taught him speech (and intelligence)***
    - ***Sura Al-Rahman: (55: 19~20) HE has let fee two bodies of flowing water, meeting together. Between them is a barrier which they do not transgress***
    - ***About Miraaj of the Prophet (SWAL): Time dilation***


positive, then events are observed in the sam
unprimed one. If it is negative, then the two e
order from O'. To find the mathematical con
5.28) as follows:

$$t_2' - t_1' = \gamma(t_2 - t_1)\left[1 - \frac{v}{c}\frac{x_2 - x_1}{c(t_2 - t_1)}\right].$$

his shows that the quantity within brack

$$\frac{x_2 - x_1}{c(t_2 - t_1)} > \frac{c}{v}.$$

    - ***Sural Al-Qaf: (50: 7~8) And the earth—WE have spread it out, and se thereon mountains standing firm, and produced therein every kind of beautiful growth to be observed and commemorated by every devotee turning (to Allah)***
  - Using the above motivations, who we are as Muslims individually, and community of Muslims can contribute to humanity for the sake of the knowledge of Allah
    - What to select as a field of interest

Up and Coming Technology

- Artificial Intelligence (Current to near future)
  - What is drone (We are more acclimated then we know)
    - Automobile today—Capability from engineering sense
      - Automation
      - What is involved in automation
      - Google vehicle

    - Today (product today) and imagine tomorrow which is almost here
      - Examples of adaptation
      - Personal land and air transport

Up and Coming Technology

- Building mgt, personal home, medical treatment, etc.—Future
  - Materials, alternative source for doing things, forecasting—How buildings could adapt without any input from us
  - http://www.bbc.com/future/story/20130709-buildings-that-can-make-themselve
- Motor—Future
  - New material
  - New Concept
  - Efficiency

What If Moment—Discoveries

- Look at the creation and wonder: ***How, what if…***
  - ***Example of sail fish to discoveries in vehicle improvement***
  - http://www.bbc.com/future/story/20140828-how-a-fish-inspired-a-supercar
  - Resources and business plan via information highway

- Closing Statement
  - Look at nature and the creation for inspiration
  - Be pragmatic in discovery with END IN MIND
  - Be inspired to lead and assist in leading others in mathematics, physics, chemistry, biology, material science