Mathematics and Aesthetics in Islamic Architecture: Reference to Fatehpur Sikri

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Abstract. The thesis of this article is that Islamic architecture establishes a clearly recognizable mathematical order and has a special concern for aesthetics. One complements the other.

This is exemplified by taking an analytical study and **in** tracing out certain unknown facts about the design of Fatehpur Sikri, an imperial city built around **1570 near** Agra in India. A product of creative imagination, it is unquestionably the most ambitious architectural project of the third **Mughal** Emperor Akbar's reign and **after** the Taj **Mahal**, the most notable building achievement of the **Mughal** empire. With Islamic art, so rich, delicate and fragile here, the city is an artistic legacy. Its brief but brilliant story is alive. It evokes in our mind the spell of a historic past and the charm of an exotic legend that piques our imagination.

The architecture and spatial planning of Fatehpur **Sikri**, incredible as it is, carries a message for the contemporary sensitive designers. A search for this message, the springboard of our future **accomplish**-ments, is the theme of this article.

