Evolution of Islamic Geometrical Patterns

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Abstract

Although Islam gives function and not form, Islam as a context has affects on forms and ornaments in somewhat. The great role of geometry in Islamic architecture due to restriction of using natural figures is an example. In this research, the application of Islamic geometrical patterns (IGPs), and suitability of their usage over architectural elements in terms of time-scale accuracy and architectural-style matching is studied. A detailed survey of hundred well-surviving buildings throughout the Muslim world of architecture has been conducted for this purpose and as a result, not only origin of patterns identified, but also radical artistic movements throughout the history of Islamic geometric ornaments revealed. Finally, this study sketches the evolution of IGPs through history, while regional diversities are also taken into account.

Keywords: Islamic; Decorative; Geometrical; Patterns; Art; Architectural decoration

References


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