



Archaeomagnetic method as a tool for solving of various archaeological problems

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Archaeomagnetism is an interdisciplinary geophysical method with main task to discover Earth's magnetic field variations in the past. This information is extremely important for geophysics in the creation of different models related to the origin and behavior of the geomagnetic field. On the other hand, archaeomagnetic method can be used in archaeology to date various burnt clay remains and to solve some important problems. Results obtained for inclination and declination of the ancient geomagnetic field can strongly suggest the situation in which an archaeological structure is last cooled in the antiquity. Archaeomagnetic method is successfully applied for synchronization of different archaeological sites from the same period. This is particularly useful in the study of various prehistoric multilevel settlements which are associated with the same culture. Monitoring the changes of baked clay magnetic properties with increasing temperature can be used to determine the maximum firing temperatures of the studied material in the past. Based on these results some hypotheses related to the type, construction or purpose of the investigated structure may be confirmed or refuted, for example, if a furnace has been used for household or manufacturing purposes.

Археоманитният метод като способ за разрешаване на различни проблеми в археологията

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