



identichnost-kultu...pdf

Научные статьи | Разделить PDF — Разделяйте PDF | МРПТИ 03.41.01 METHODS OF NATURAL SCIENCES IN DATING ROCK ART MONUMENTS | Скачанные файлы

## N. SOIKINA, A. BEYSEGULOVA, 1 Candidate of Historical Sciences, Ass. Professor of the al-Farabi Kazakh National University, Kazakhstan, Almaty, e-mail: soikinanu@gmail.com 2PhD Student of al-Farabi Kazakh National University, Kazakhstan, Almaty, e-

### МРПТИ 03.41.01 METHODS OF NATURAL SCIENCES IN DATING ROCK ART MONUMENTS

Электронный научный журнал «edu.e-history.kz» № 4 (16) 2018

Теги: micro-erosion, method, radio-carbon, dating, absolute, art, rock, petroglyph, of, chips, comparative, analysis.

**Аннотация:**

The article is dedicated to consideration of some features of applying achievements of natural sciences in archeology, in particular, dating of monuments of art. Using the methods of natural sciences which development became more active today allows not only to obtain absolute dates for monuments of rock art, but also to reconsider the existing dating, and respectively, to introduce essential adjustment in our representation of history of the most ancient art. The radio-carbon analysis became the most widely used method of dating of monuments of rock painting today. The fine arts played a special role in life of the ancient people, closely intertwining with religious and mythological ideas that allow speaking about their syncretism. Keywords: petroglyph, rock art, absolute dating, radio-carbon method, micro-erosion of chips, comparative analysis.

**Содержание:**

The use of methods of Natural Sciences in archaeological research has a long history, but they have a particular significance for the study of monuments of rock art and in particular, paintings.

Просмотров: 835  
Нет рецензий

**Скачать файлы**

Статья Сойкина (1).docx 0.04 MB

**Категория**

- Междисциплинарные исследования
- Методологические труды
- Макро- и Микроистория
- История Отечества. Новые методы исследования
- Исследования молодых ученых
- Рецензия. Отзыв

**Статьи по теме**

УДК: 314.012(574) Demographic trends of Kazakhstan: regional features of fertility and mortality

МРПТИ 03.41.01 METHODS OF NATURAL SCIENCES IN DATING ROCK ART MONUMENTS

ISLAM, IRAN AND CENTRAL ASIA AFTER

method of dating of monuments of rock painting today. The fine arts played a special role in life of the ancient people, closely intertwining with religious and mythological ideas that allow speaking about their syncretism. Keywords: petroglyph, rock art, absolute dating, radio-carbon method, micro-erosion of chips, comparative analysis.

**Содержание:**

The use of methods of Natural Sciences in archaeological research has a long history, but they have a particular significance for the study of monuments of rock art and in particular, paintings.

Such methods are included radiocarbon dating, x-ray diffraction, paper chromatography, research of micro erosion of chips, optically stimulated luminescence, CR-method and others.

The use of these or other methods is determined to the presence or absence in the drawings of organic substances, various minerals, climatic conditions where the monument exists.

The results of some methods can be considered quite reliable (by radiocarbon, extracted from the components of the paint or overlapping images of mineral deposits with organic inclusions), other methods are only being developed and the prospects of their use are problematic (CR, and etc.), some is seemed to be reasonably rejected (lichenometry), so such methods are used to call experimental [1, p.17].

Using of Natural science method has made a kind of "revolution" in the dating of works of rock art. If during the XIX century scientists could determine their age only presumably, based on far from indisputable and imperfect systems of classification and comparative analysis, the achievements of Chemistry, Physics and Biology allowed to significantly clarify the chronology and stages of development of creativity of early people.

The problem of studying fine arts requires the involvement of research of various scientific disciplines, and, consequently different methods. The position of the monuments of the primitive art in modern archaeology is not well-defined. No one denies their importance for the understanding of cultural and historical processes, but at the same time the identity of visual materials has not yet become the subject of methodological and theoretical analysis, and therefore tangible results in the research of primitive art are obtained mainly by archaeological methods. Analysis, synthesis, comparative and typological analysis permit us to carry Parallels between different monuments of art, revealing their similarities and differences.

УДК: 314.012(574) Demographic trends of Kazakhstan: regional features of fertility and mortality

МРНТИ 03.41.01 METHODS OF NATURAL SCIENCES IN DATING ROCKART MONUMENTS

ISLAM, IRAN AND CENTRAL ASIA AFTER THE COLLAPSE OF THE SOVIET UNION

**Статьи автора**

МРНТИ 03.41.01 METHODS OF NATURAL SCIENCES IN DATING ROCK ART MONUMENTS

EN 14:56