

# Harvati 2003

## Article ...

▼ ... in a Journal

**Author:**

Harvati, K

**Title:**

The Neanderthal taxonomic position: models of intra- and inter-specific craniofacial variation.

**Journal:**

J Hum Evol

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**Abstract:**

The Neanderthal taxonomic position is a matter of wide disagreement among paleoanthropologists. Some view fossil human group to represent a different species, *Homo neanderthalensis*, while others see it as a subspecies. This study developed two models of morphological variation to be applied to a comparison between Neanderthals and modern human populations provided a measure of intra-specific variation, while the species and subspecies provided measures of both intra- and inter-specific morphological differences. Although such an approach is strongly, it has not been systematically undertaken until recently. The techniques of geometric morphometric data in the form of three-dimensional coordinates of craniofacial landmarks. The data were processed using principal component analysis, and analyzed by an array of multivariate statistical methods, including principal components analysis and Mahalanobis D(2). The morphological distances between Neanderthals and modern humans, a Neanderthals and Late Paleolithic/early anatomically modern specimens, are consistently greater than the distances between modern human populations, and greater than the distances between the two chimpanzee species. Furthermore, no similarities were found between Neanderthals and Late Paleolithic Europeans. This study does not find evidence of contribution to the evolution of modern Europeans. Results are consistent with the recognition of Neanderthals as a distinct taxonomic group.

▼ ...in a Conference Proceeding

**Author:**

**Title:**

**Editor:**

**Booktitle:**

**Year:**

**Serie:**

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## **Monograph**

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**Title:**

**Year:**

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