

عنوان مقاله:

Analysis of the Prediction of Earthquake Locations in Anatolia and Adjacent Regions of ۱۹۷۴ in Connection with the ۲۰۲۳ Tü rkiye-Syria Great Earthquakes

محل انتشار:

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خلاصه مقاله:

On February ۶, ۲۰۲۳, two devastating earthquakes occurred in the southeast of Tü rkiye with an interval of ۹ hours, which also affected the territory of Syria. The position of the epicenters of these earthquakes is discussed in connectionwith the forecast of  $M_{۶.۵+}$  earthquake locations for the territory of Anatolia and adjacent regions, obtained in ۱۹۷۴ by Gelfand et al., based on morphostructural zoning data employing the Cora-۳ pattern recognition algorithm. It has beenestablished that the epicenters of the earthquakes of February ۶, ۲۰۲۳ were located in the node, which in ۱۹۷۴ was identified as capable of  $M_{۶.۵+}$ . Since ۱۹۷۴, ۳۶  $M_{۶.۵+}$  events have been observed in the study region. The spatial distribution of these events is analyzed in relation to the seismogenic nodes recognized in ۱۹۷۴. It was found that the epicenters of ۳۲ such events are located in the nodes recognized as dangerous for  $M_{۶.۵+}$  in ۱۹۷۴.

کلمات کلیدی:

Tü rkiye earthquake of ۲۰۲۳, Pattern recognition, Cora-۳ algorithm, Seismogenic Nodes

لینک ثابت مقاله در پایگاه سیویلیکا:

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