



Boğaziçi Üniversitesi

Kandilli Rasathanesi ve Deprem Araştırma Enstitüsü
Deprem Mühendisliği Ana Bilim Dalı

9 Mart 2026 (09:21)
M5,1 Buldan-Denizli Depremi

Kuvvetli Yer Hareketi Parametreleri
İlksel Tahminler

09.03.2026 (v1)

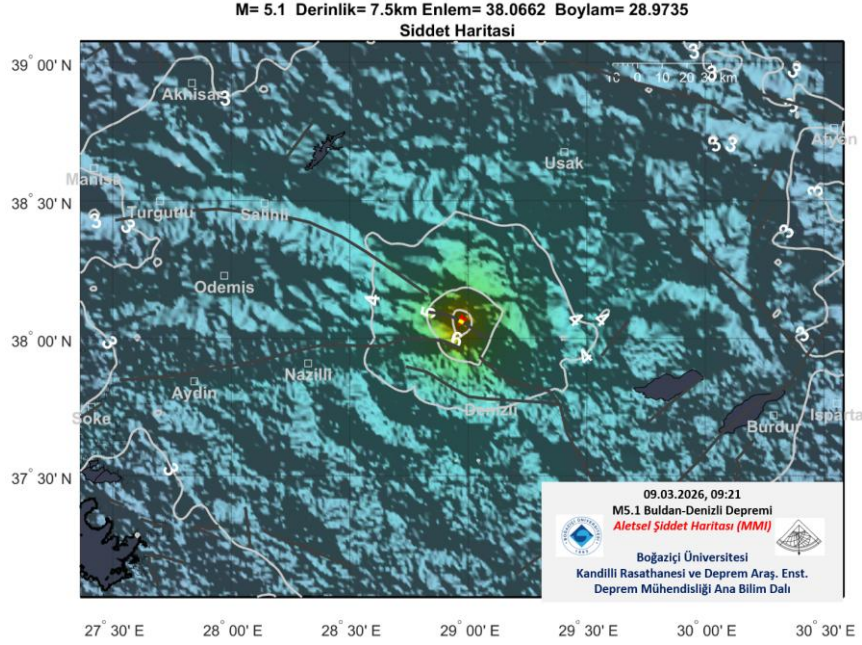
İstanbul



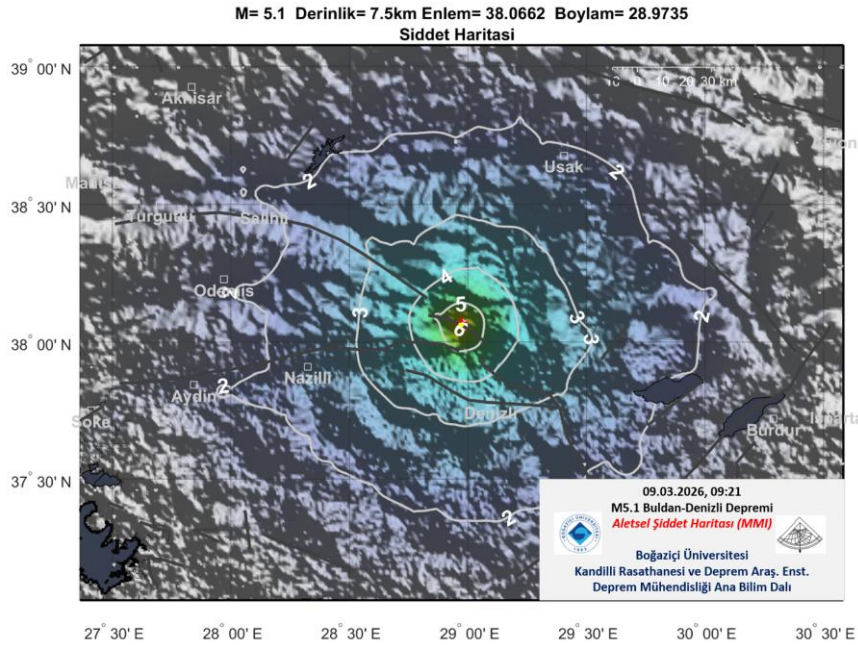
DEPREM BİLGİSİ

Büyükklük : $M_{L5,1}$
Merkez Üssü : $38,0662^{\circ}$ K / $28,9735^{\circ}$ D
Derinlik : 7,5 km

KUVVETLİ YER HAREKETİ COĞRAFİ DAĞILIMI



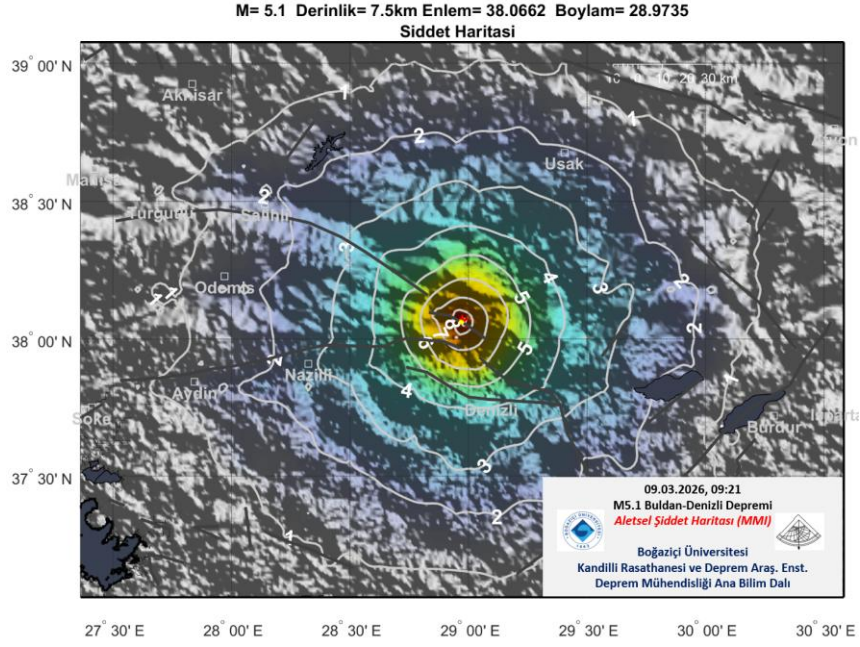
Şekil 1. Aletsel şiddet dağılımı-MMI (AK2007)



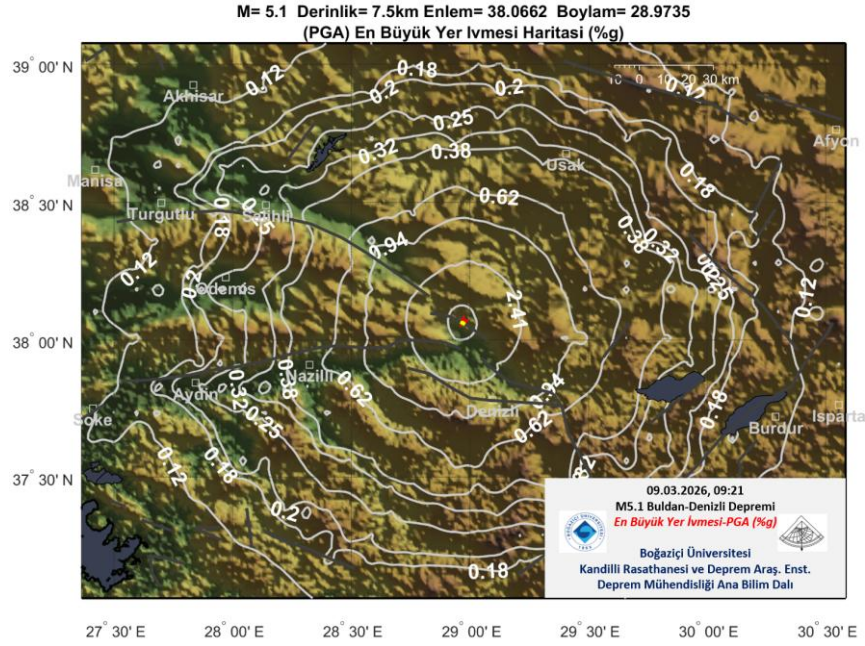
Şekil 2. Aletsel şiddet dağılımı-MMI (WQHK1999)

Kuvvetli Yer Hareketi Dağılımları (v1)

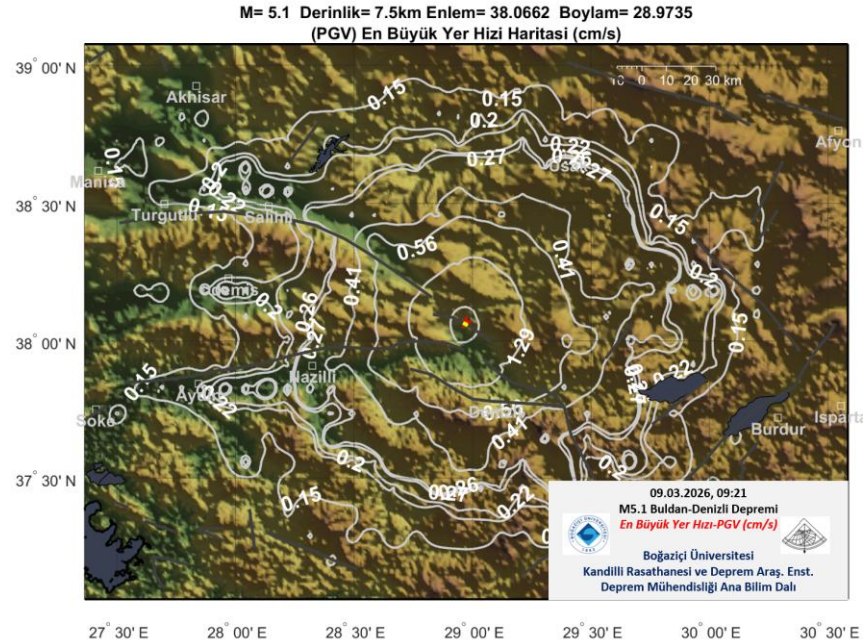
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Şekil 3. Aleysel şiddet dağılımı-MMI (BA2014)



Şekil 4. En büyük yer ivmesi (PGA, %g cinsinden) dağılımı



Şekil 5. En büyük yer hızı (PGV, cm/s cinsinden) dağılımı

Kuvvetli Yer Hareketi Dağılımları (v1)

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KAYNAKÇA

ELER: Earthquake Loss Estimation Routine, <https://eqe.bogazici.edu.tr/tr/pages/eler-metodolojisi-ve-yazilimi/4051>

Kuvvetli Yer Hareketi Tahmin Denklemi:

CY14: Chiou, Brian S.-J. et al. Update of the Chiou and Youngs NGA Model for the Average Horizontal Component of Peak Ground Motion and Response Spectra. Earthquake Spectra (2014),30(3): 1117.

Şiddet Tahmin Denklemleri:

AK2007 - Gail M. Atkinson; and SanLinn I. Kaka (2007). Relationships between Felt Intensity and Instrumental Ground Motion in the Central United States and California,Bulletin of the Seismological Society of America (2007) 97 (2): 497–510.

BA2014 - M. Bilal and A. Askan (2014). Relationships between Felt Intensity and Recorded Ground-Motion Parameters for Turkey,"Bulletin of the Seismological Society of America , 104(1).

WQHK1999 - Wald, D. J., V. Quitoriano, T. H. Heaton, H. Kanamori (1999). Relationship between Peak Ground Acceleration, Peak Ground Velocity, and Modified Mercalli Intensity for Earthquakes in California, Earthquake Spectra, Vol. 15, No. 3, 557-564.