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论雷暴风化作用 [点此下载全文](#)

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摘要:

在位于冀东地区海拔1840多米的都山顶峰,笔者首次发现了雷暴风化作用,并目睹了雷暴风化作用的风化砾石堆,分析了雷暴风化作用的物理依据,估算出一次雷暴作用所释放能量的0.07%—0.007%就阐述了雷暴风化作用的时空分布规律,指出雷暴风化作用主要发生在低纬度近山地地区。气候比较温暖且降水量较多发育阶段。对于中国东部中低山

关键词: [风化作用](#) [砾石](#) [雷雨](#)

ON THUNDERSTORM WEATHERING [Download Fulltext](#)

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Abstract:

At the top of Dushan Mountain with an elevation of more than 1840m in the east part of Hebei authors discovered a peculiar weathing products resulted probably from thunderstorm and observed them with their own eyes for the first time. The weathering boulders probably formed by thunderstorm are more than 10m long, 30-50m wide and 10-30m deep pile on the top of Dushan Mountain. The diameter of 2-3m and may reach a maximum of more than 10m. The physical basis of thunderstorm weathering is an to fracture granite of 1 m³ in volume was provided theroretically calculated to be 0.07%-0.007% of thunderstorm. The regularity of tempo-spatial distribution of thunderstorm weathering is set forth. supposed to mainly happen at the low-latitude near-sea mountainous areas. The Archean hydrogenic sea the accomplishment of the earth's hydrosphere and probably also the beginning of thunderstorm weath our earth, the periods with rich rainfall and warm climate would be also the periods with more thun as the Archeozoic, Mesoproterozoic, Cambrian, Ordovician and Tertiary. It is put forward that some boulders in middle-lower mountain areas in eastern China might be the result of thunderstorm weathe might have been carried to the foot of these mountains or even farther by mud-rock flows and deposi areas such as Lushan Mountain in Jiangxi Province and Shahe in Hebei Province are all the low-latit areas where thunderstorm weathering was more liable to take place.

Keywords: [thunderstorm](#) [weathering](#) [thunderstorm boulders](#) [Dushan Mountain](#)