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**Metallographic cooling rates of ordinary chondrites and the onion-shell model.**

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It was claimed [1] that the absence of an expected correlation between metallographic cooling rates and petrologic type of ordinary chondrites invalidates the onion-shell model for their parent bodies, by which petrologic types 3 to 6 result from metamorphism of a pristine material in layers of increasing depth and maximum temperature during their thermal evolution. Instead, [1] proposed that all parent bodies were shattered and converted into a rubble pile at their earliest evolution. We investigate the method to determine metallographic cooling rates from Wood diagrams [2] with respect to its basic assumptions and show, that some assumptions of the original method are not satisfied. If the method is modified to avoid this, metallographic cooling rates agree with thermochronological data for the onion-shell

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