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On the origin of spicules

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Abstract. Spicules are important not only for chromospheric structure but also for chromospheric and coronal heating. Thus, spicules are one of the most important subjects in solar physics using Hinode data. Here we will present a historical review on the theoretical studies of the origin of spicules. Such a review would be useful for a deeper understanding of spicules using new Hinode data. Finally, we give some critical argument against recent interpretation of spicule observations such as the classification of type 1 and type 2.