

Photograph of the Month



Dykes and joints. Photograph Cees Passchier, Mainz. © Cees Passchier.

Lower Permian leucogranite intruded by two Permian lamprophyre dykes. The dykes are of different composition and colour and are separated by a thin granite sliver. Nowhere in the outcrop do the dykes cross each other but the lower (darker) dyke is thought to predate the upper (greenish) dyke. Both dykes have chilled margins, so this cannot be used as an argument, but the lower one has a strongly developed horizontal joint set which is also present in the granite at both sides, but not in the green dyke; it is thought that the joints formed in front of the propagating green dyke. Width of view is 1.5 m. Aiguablava, Catalonia, Spain. Location 3.2201 E, 41.93485N.

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