

## Lineations in metacherts of the metamorphic sole beneath the Oman ophiolite

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The metamorphic sole is regarded as a product of subophiolite metamorphism during the intraoceanic thrusting under the influence of heat from the detached hot lithosphere. Such tectonic situation of metamorphism implies synmetamorphic strong shear deformation in the members of the metamorphic sole, and foliation and lineation are expected to have developed in them. This paper concentrates on lineations developed in metacherts belonging to the metamorphic sole of the Samail ophiolite, Wadi Tayin area, Oman. There are 5 lineations discriminated under the optical microscope: mineral lineation defined by elongate minerals, quartz shape orientation, lineation by pressure fringes, intersection lineation of bubble plane, and intersection lineation of fracture plane.

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