



## Classification, Distribution and Relationship of the Dammam Dome Fractures

By Tariq Akif

GRIN Publishing Sep 2015, 2015. Taschenbuch. Condition: Neu. Neuware - Seminar paper from the year 2015 in the subject Geography / Earth Science - Geology, Mineralogy, Soil Science, grade: 1, , course: Regional Geology, language: English, abstract: The Dammam Dome is an oval-shaped structure located in the Sedimentary cover of the Arabian Peninsula and in the Eastern province of Saudi Arabia. The dome is characterized by different types of fractures extending from the apex to the periphery of the dome. These fractures are present in the four formations of the Dammam Dome, such as the Rus Formation, Dammam Formation, Hadruk Formation, and Dam Formation. The fractures within the Dammam Dome can be classified based on size, trend, and extension into: major, minor, and very small size-localized fracture. However, they could also be classified based on principal stresses (sigma 1, sigma 2, and sigma 3) into: mode I, mode II, mode III, and mixed mode fracture. In addition, cross cutting relationship indicates that minor fractures are younger than the major fractures within the Dammam Dome. 28 pp. Englisch.



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