
Nome: TOP020 - Inclusões Fluidas em Minerais e Interações Fluido/Rocha

Nível: M/D Obrigatória: Não Carga Horária: 60h Número de Créditos: 04

Professor(es) : Francisco Javeir Rios e Lucilia A. Ramos de Oliveira

Ementa

- O que são inclusões fluidas e sua importância;
- Condições de formação;
- Classificação e identificação;
- Informações fornecidas pelas inclusões fluidas;
- Interações fluido/rocha;
- Importância e aplicações geológicas;
- Cuidados analíticos;
- Seleção e Preparo de amostras;
- Técnicas analíticas disponíveis para o estudo de inclusões fluidas: microscopia de luz normal (minerais transparentes) e no infravermelho (minerais opacos), microtermometria, Raman, LA-ICP-MS e outras;
- Interpretação dos resultados: Diagramas de fases e cálculos físico-químicos;
- Aplicações: Estudos de caso.

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- 3 - Bowers T.S., Helgeson H.C. 1983. Calculation of the thermodynamic and geochemical consequences of non-ideal mixing in the system H₂O-CO₂-NaCl on phase relations in geological systems – equation of state for H₂O-CO₂-NaCl fluids at high pressures and temperatures. *Geochimica et Cosmochimica Acta*, 47:1246-1275.
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