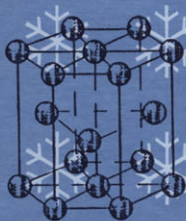
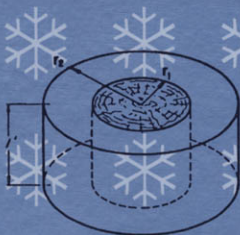


Dean R. Freitag

Terry McFadden

INTRODUCTION TO COLD REGIONS ENGINEERING



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Abstract:

The formal education of most civil and mechanical engineers does not include an adequate understanding of the unique characteristics of work in cold regions. These include the special problems of soil mechanics, hydraulics, heat flow, materials, and construction, among others, in cold environments. This comprehensive text is intended to help remedy that deficiency for a broad range of engineering design and construction activities. It is for advanced undergraduates as well as graduate students who intend to practice in cold regions. Also, it has sufficient practical content to be useful to practicing engineers who need to know the fundamental cold-regions requirements on topics that are not in their specialty areas.

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