

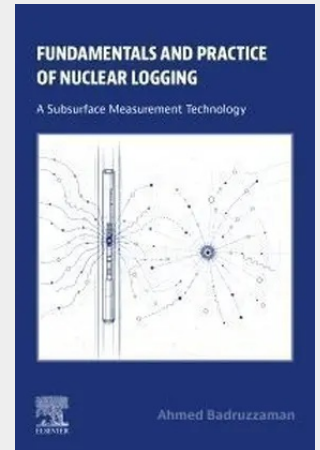
Fundamentals and Practice of Nuclear Logging

A Subsurface Measurement Technology

Fundamentals and Practice of Nuclear Logging: A Subsurface Measurement Technique delves into the basic physics employed in nuclear measurements. It explores the use of these principles in tool design and interpretation. First used in 1939 to probe the subsurface, nuclear/atomic techniques now play a crucial role in down-hole physics measurements of geological media. This book is a valuable resource for upper division and graduate students, offering insight into the fundamentals and serving as a reference for practitioners. In addition, the book discusses the safety and security challenges associated with radionuclide-based techniques and highlights the research aimed at mitigating these risks through advanced generator-based methods. It emphasizes the dynamic characterization of geological formations and well-bores, providing a range of interpretations unattainable through other subsurface techniques. This comprehensive guide is essential for those seeking to understand the evolving landscape of nuclear logging practices.

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