

# Title Vertical Seismic Profiling Principles Third Edition

## Reflection seismology

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Reflection seismology (or seismic reflection) is a method of exploration geophysics that uses the principles of seismology to estimate the properties of the Earth's subsurface from reflected seismic waves. The method requires a controlled seismic source of energy, such as dynamite or Tovex blast, a specialized air gun or a seismic vibrator. Reflection seismology is similar to sonar and echolocation.

## Fracking

*emissions benefit of natural gas relative to other fossil fuels. Increases in seismic activity following hydraulic fracking along dormant or previously unknown*

Fracking (also known as hydraulic fracturing, fracing, hydrofracturing, or hydrofracking) is a well stimulation technique involving the fracturing of formations in bedrock by a pressurized liquid. The process involves the high-pressure injection of "fracking fluid" (primarily water, containing sand or other proppants suspended with the aid of thickening agents) into a wellbore to create cracks in the deep-rock formations through which natural gas, petroleum, and brine will flow more freely. When the hydraulic pressure is removed from the well, small grains of hydraulic fracturing proppants (either sand or aluminium oxide) hold the fractures open.

Fracking, using either hydraulic pressure or acid, is the most common method for well stimulation. Well stimulation techniques help create pathways...

## Peat

*publishing, Sheffield, U.K. Keddy, P.A. 2010. Wetland Ecology: Principles and Conservation (2nd edition). Cambridge University Press, Cambridge, UK. 497 p. Chapter*

Peat is an accumulation of partially decayed vegetation or organic matter. It is unique to natural areas called peatlands, bogs, mires, moors, or muskegs. Sphagnum moss, also called peat moss, is one of the most common components in peat, although many other plants can contribute. The biological features of sphagnum mosses act to create a habitat aiding peat formation, a phenomenon termed 'habitat manipulation'. Soils consisting primarily of peat are known as histosols. Peat forms in wetland conditions, where flooding or stagnant water obstructs the flow of oxygen from the atmosphere, slowing the rate of decomposition. Peat properties such as organic matter content and saturated hydraulic conductivity can exhibit high spatial heterogeneity.

Peatlands, particularly bogs, are the primary source...

Khrushchevka

*the new principles of construction and architecture that had been formed by that time. A year later, they were reflected in the new edition of SNiP II-B*

Khrushchevkas (Russian: хрущёвка, romanized: khrushchyovka, IPA: [xɾʊˈʧːɐ̯fkə]) are a type of low-cost, concrete-paneled or brick three- to five-storied apartment buildings (and apartments in these buildings) which were designed and constructed in the Soviet Union since the early 1960s, when their namesake, Nikita Khrushchev, was leader of the Soviet Union.

With the beginning of the construction of "Khrushchyovkas," Soviet housing development became predominantly industrial. Compared to "Stalinkas", which were usually built from brick, Khrushchyovkas had smaller apartments, and their functionalist-style architecture was extremely simple. However, the first-generation buildings surpassed the typical two-story wooden apartment buildings of the Stalin era in many ways and significantly alleviated...

List of IEC standards

*IEC/IEEE 60980-344 Nuclear facilities - Equipment important to safety - Seismic qualification IEC 60981 Extra heavy-duty electrical rigid steel conduits*

The International Electrotechnical Commission (IEC; French: Commission électrotechnique internationale) is an international standards organization that prepares and publishes international standards for all electrical, electronic and related technologies. IEC standards cover a vast range of technologies within electrotechnology.

The numbers of older IEC standards were converted in 1997 by adding 60000; for example IEC 27 became IEC 60027. IEC standards

often have multiple sub-part documents; only the main title for the standard is listed here.

IEC 60027 Letter symbols to be used in electrical technology

IEC 60028 International standard of resistance for copper

IEC 60034 Rotating electrical machines

IEC 60038 IEC Standard Voltages

IEC 60041 Field acceptance tests to determine the hydraulic...

Glossary of nautical terms (A-L)

*none of the ship's guns. 3. On marine seismic survey vessels, the lowest deck on the ship, which carries the seismic source arrays, consisting of air guns*

This glossary of nautical terms is an alphabetical listing of terms and expressions connected with ships, shipping, seamanship and navigation on water (mostly though not necessarily on the sea). Some remain current, while many date from the 17th to 19th centuries. The word nautical derives from the Latin nauticus, from Greek nautikos, from nautēs: "sailor", from naus: "ship".

Further information on nautical terminology may also be found at Nautical metaphors in English, and additional military terms are listed in the Multiservice tactical brevity code article. Terms used in other fields associated with bodies of water can be found at Glossary of fishery terms, Glossary of underwater diving terminology, Glossary of rowing terms, and Glossary of meteorology.

Tehran

*Tehran Police House, the National Garden Previously a low-rise city due to seismic activity in the region, modern high-rise developments in Tehran have been*

Tehran is the capital and largest city of Iran. It is also the capital of Tehran province and the administrative center for Tehran County and its Central District. With a population of around 9.8 million in the city, and 16.8 million in the metropolitan area, Tehran is the most populous city in Iran and Western Asia, the second-largest metropolitan area in the Middle East after Cairo, and the 24th-most-

populous metropolitan area in the world. Greater Tehran includes several municipalities, including Karaj, Eslamshahr, Shahriar, Qods, Malard, Golestan, Pakdasht, Qarchak, Nasimshahr, Parand, Pardis, Andisheh and Fardis.

In classical antiquity, part of the territory of present-day Tehran was occupied by Rhages (now Ray), a prominent Median city that was destroyed in the medieval Arab, Turkic,...

Glossary of engineering: A-L

*Mechanics, Section 3.3 (4th edition). McGraw-Hill Geankoplis, Christie John (2003). Transport Processes and Separation Process Principles. Prentice Hall Professional*

This glossary of engineering terms is a list of definitions about the major concepts of engineering. Please see the bottom of the page for glossaries of specific fields of engineering.

Petronas

*responsibility of developing and adding value to these resources. Petronas is a vertically integrated company and actively in all areas of the oil and gas industry*

Petroleum Nasional Berhad, commonly known as PETRONAS (stylised in all caps), is a Malaysian multinational oil and gas company headquartered in Kuala Lumpur. Established in 1974, it is a legal entity incorporated under the Malaysian Companies Act 1965 and reports to the company's Board of Directors. Petronas is vested with all oil and gas resources in Malaysia and is entrusted with the responsibility of developing and adding value to these resources.

Petronas is a vertically integrated company and actively in all areas of the oil and gas industry, including exploration and extraction, refining, distribution and marketing, power generation, and trading. Petronas has operations in over 100 countries and has sales office in 22 countries, produced around 9 billion barrels of oil equivalent and...

Turkey

*population lives in areas with varying seismic risk levels, with around 70% in highest or second-highest seismic areas. Anatolian plate is bordered by*

Turkey, officially the Republic of Türkiye, is a country mainly located in Anatolia in West Asia, with a relatively small part called East Thrace in Southeast Europe. It borders the Black Sea to the north; Georgia, Armenia, Azerbaijan, and Iran to the east; Iraq, Syria, and the Mediterranean Sea to the south; and the Aegean Sea, Greece, and Bulgaria to the west. Turkey is home to over 85 million people; most are ethnic Turks, while ethnic Kurds are the largest ethnic minority. Officially a secular state, Turkey has a Muslim-majority population. Ankara is Turkey's capital and second-largest city. Istanbul is its largest city and economic center. Other major cities include İzmir, Bursa, and Antalya.

First inhabited by modern humans during the Late Paleolithic, present-day Turkey was home to various...

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