پرسش تیر ماه

بیشترین ارتفاعی که کوه ها می توانند داشته باشند چقدر است ؟

پاسخ پرسش تیر ماه

شوند پیدایش کوه
جابجایی صفحه های شناور پوست زمین

حد ارتفاع
ذوب شدن لایه ی زیرین – تغییر پلاستیک

انرژی گرانشی یک مولکول در نوک کوه

$$E = AMHg$$

$$A = 50 \quad \text{Silicon oxide}$$

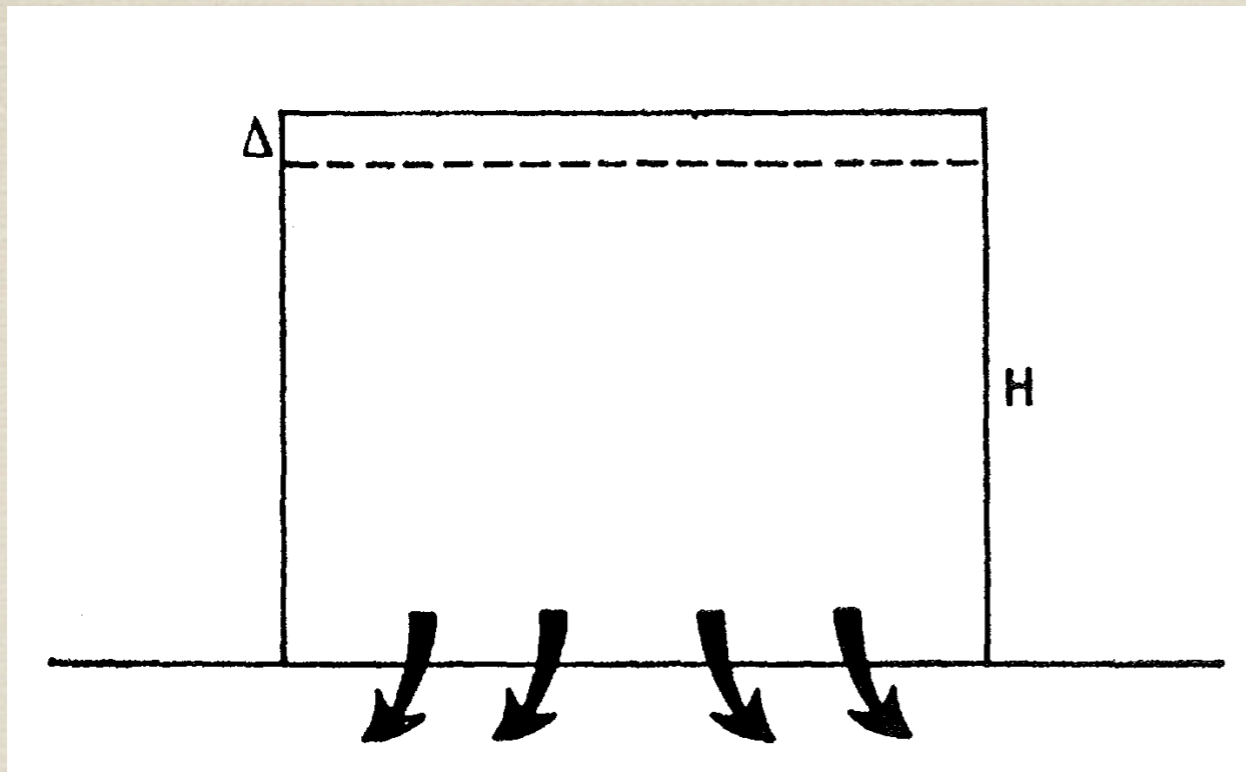باید با کسری از انرژی پیوند برابر باشد

$$E = \zeta B$$

تخمین کسر از روی انرژی نهان ذوب و تبخیر آب

$$E_l = 80 cal$$

$$E_v = 540 cal$$

$$\zeta = 0.1$$

برای خاک

$$E = \zeta B = \zeta \gamma R_y$$

$$\gamma = 0.2$$

$$\zeta = 0.05$$

با مساوی قرار دادن دو انرژی برای حد ارتفاع خواهیم داشت

$$H = \zeta \gamma \frac{R_y}{AMg} = 26 km$$

SCIENCE

Of Atoms, Mountains, and Stars: A Study in Qualitative Physics

Victor F. Weisskopf

One of the important achievements of physics in the present century is a fundamental understanding of the behavior and the properties of matter in the form in which it is found on the

and demonstrating thereby the power and the fundamental simplicity of these insights. It will show how deeply the quantum is involved in our everyday experience. It is important to realize

nature of the confinement. For example, an electron, confined by the Coulomb field of the nucleus, exhibits a series of wave patterns, which are shown in Fig. 1. Similar beautiful patterns develop in any confining field which is spherically symmetric. The simpler patterns have lower frequencies and, on the basis of the second de Broglie relation, lower energies. A new aspect came into physics when these patterns were found to be part of nature's structure. It is the appearance of characteristic shapes or forms in our interpretation of the fundamental structure of nature. Physics acquired a "morphic" character. Specific shapes had no justification in the classical physics of particles; quantum mechan-

پرسش مرداد ماه

قایق بادبانی چطور خلاف جهت باد حرکت می کند