

## Úryvek z článku **a můj červený komentář**

Je třeba si uvědomit, že **v silném** gravitačním poli podle Einsteinovy obecné teorie relativity (která vznikla v roce 1915) **čas** plyne **pomaleji** a **pomaleji** znamená, že jednotkových hodinových intervalů, (jako ukrájí hodinky), se vejde do pomalého tempa víc, ... tedy: do intervalu „jedné pomalé hodiny“ se vejde „pět rychlých hodin“. Je to tak?

U země, kde je **silnější** gravitační pole než na raketě (v téměř **nulovém** gravitačním poli) uteče (ukrojí se) 5x víc hodin-intervalových-jednotkových než se jich ukrojí na raketě.

STR → 5 rychlých hodin = 1 pomalá hodina ... měřeno jednotkovými hodinkami

Ano, **čas** plyne různě, různým tempem v různých potenciálových hladinách, ale **hodiny** neplynou různě, ty plynou všude, i v ČD, stejně, stejným tempem. Čas se mění, hodiny se nemění, nikdy, než na místech, kde je gravitační potenciál **slabší** plyne **čas rychleji**.

### Excerpt from the article

It is necessary to realize that **in a strong** gravitational field according to Einstein's general theory of relativity (which was created in 1915) **time** flows **slower** and **slower** means that more unit-hour intervals (as clocks cut) fit into the slow pace, ... i.e.: "five fast hours" fit into the interval of "one slow hour". **Is that right?**

On Earth, where the gravitational field is **stronger** than on a rocket (in an almost **zero** gravitational field), 5x more unit-hour-intervals escape (are cut) than on a rocket.

STR → 5 fast hours = 1 slow hour ... measured by a unit clock.

Yes, **time** flows differently, at different rates in different potential levels, but **hours** do not flow differently, they flow everywhere, even in a black hole, the same way, at the same rate. Time changes, hours do not change, never, except in places where the gravitational potential is **weaker**, **time** flows **faster**.

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On Earth, where the gravitational field is **stronger** than on a rocket, (in an almost **zero** gravitational field), it escapes, runs away, cuts off = is cut off, 5x more interval-unit hours than are cut off on a rocket.

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Yes, **time** flows differently, different rates in different gravitational levels, but **hours** do not flow differently, they flow everywhere, even in a Black Hole, the same, at the same rate. Time changes, hours do not change, never!... except in places where the gravitational potential is **weaker**, **time** passes **faster**.

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.....  
Kdo mi vysvětlí, jakou dělám chybu?  
Who will explain to me what mistake I am making?  
JN, 25.05.2025