

Re: Konstantin Tsiolkovsky was wrong?!

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- *From:* "Spaceman" <Realspace@xxxxxxxxxxx>
 - *Date:* Sun, 26 Feb 2006 13:16:59 -0500
-

"T Wake" <taswakeAt@xxxxxxxxxxx> wrote in message
news:ypWdneWZ8b8icpzZRVnyhA@xxxxxxxxxxx

"Spaceman" <Realspace@xxxxxxxxxxx> wrote in message
news:u9CdnXLjeuzFRZzZRVn-iO@xxxxxxxxxxxxxxxx

<matt271829--news@xxxxxxxxxxx> wrote in message
news:1140921433.256606.319190@xx

I haven't been following all these follow-ups, but FWIW I get the maximum (final) speed of the rocket to be $e * \text{Log}(1 + m1 / m2)$, where $m1$ is the initial mass of fuel, and $m2$ is the mass of the rest of the rocket. So a 10:1 ratio of fuel to rest of rocket, with $e = 500$, would give a final speed of 1199 m/s, while a 9:1 ratio (possibly what was meant) would give a final speed of 1151 m/s.

So how long would it take for such to get to the speed predicted?
Instantly I guess huh?
Since you have no timing factor?.

and.
half way through the entire burn process,
the equation would no longer be valid since then the ratio would be 5:1 ?
So, you use no timing function of the rocket at all?
It all seems a bit "lost in reality" to me.

Re: Konstantin Tsiolkovsky was wrong?!

Your lack of understanding doesn't, in any way, invalidate the theory.

Your lack of actual physics in this post only validates your non physics reply to this thread.

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