

Re: Magnetic levitation for launch ?

Source: <http://sci.tech--archive.net/Archive/sci.space.shuttle/2005-10/msg00534.html>

- *From:* George Evans <georgee3@xxxxxxxxxxxxxx>
 - *Date:* Fri, 28 Oct 2005 02:46:30 GMT
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in article 7Mc8f.1080\$m81.952@xx, Greg D. Moore (Strider) at mooregr_deleteth1s@xxxxxxxxxxxxx wrote on 10/27/05 3:45 PM:

> "George Evans" <georgee3@xxxxxxxxxxxxxx> wrote in message
> news:BF869742.DEB%georgee3@xxxxxxxxxxxxxx
>
>> in article d1e60f7f9a3fe72d2e0df9ba041bde60@xxxxxxxxxx, Nomen Nescio at
>> nobody@xxxxxxxxxx wrote on 10/26/05 5:40 PM:
>>
>>> Another small detail overlooked in this discussion is Newton's Law of
>>> Reaction. Mag-Lev launches in a tangential direction, as in trains, cancel
>>> out; that is, the trip going cancels the reaction of the trip coming.
>>>
>>> Such would not be the case in vertical launches. As the number of launches
>>> rise, the destabilizing effect on the Earth's rotation and/or orbit would
>>> soon be felt. Who would accept a changing period for a year or day as a
>>> fair exchange for saving a few loads of rocket fuel?
>>>
>> Nonsense. This is an infinitesimal concern and only if all the launches
>> happen at around the same local time. Theoretically a launch at sun up would
>> exactly cancel the rotational effects of a launch at sun set.
>>
> Umm, perhaps the orbital impact, but not the rotational one.

Oops, you're right, I got my rotation mixed up with my revolution. The two launches would cancel revolution-wise. Two vertical launches would have no rotational effect.

George Evans

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- *References:*
 - ◆ **[Re: Magnetic levitation for launch ?](#)**
◇ *From:* Nomen Nescio
 - ◆ **[Re: Magnetic levitation for launch ?](#)**
◇ *From:* Greg D. Moore \((Strider)\)

Re: Magnetic levitation for launch ?

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