

Re: DIY space transport

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- *From:* gherbert@xxxxxxxx (George William Herbert)
 - *Date:* Sun, 24 Jul 2005 00:15:01 -0000
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Pete Lynn <pete@xxxxxxxxxxxxxxxxxxxx> wrote:

>Even this seems to assume an inflexible pre-furnished module approach,
>not a bare shell approach that one then moves furnishings into. Kind of
>like buying a fully furnished caravan and then trying to attach it as
>one unit onto the side of a house, instead of buying a shell of a room
>and then adding light weight furnishings to taste.

The issue here is that the shell, structure, and hatches are a small fraction of the total weight. Most of the weight is systems and payload.

Even if we do reduce the cost of astronaut-hours in space, we need to make their time usage as efficient as possible. It is not cost effective, considering nearterm likely orbital manpower costs, to fit out modules on orbit. You still have to fly the systems to orbit in a pressurized container, for many of them, and once you do that you might as well make that container the module, and not have to spend time moving stuff around and plugging it in and debugging the wiring harness and cooling water plumbing once you're up in zero-G.

If a magic vehicle appeared tomorrow with \$100/lb launch costs for payload inside its reusable shell, with a payload of 250 kg or 500 kg, that cost tradeoff might be different. But that's not nearterm credible.

-george william herbert
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- *Follow-Ups:*
 - ◆ ***Re: DIY space transport***
 - ◇ *From:* Charles Buckley
 - ◆ ***Re: DIY space transport***

Re: DIY space transport

◇ *From:* Pete Lynn

◆ ***Re: DIY space transport***

◇ *From:* Derek Lyons

• **References:**

◆ ***DIY space transport***

◇ *From:* Pete Lynn

◆ ***Re: DIY space transport***

◇ *From:* Joe Strout

◆ ***Re: DIY space transport***

◇ *From:* George William Herbert

◆ ***Re: DIY space transport***

◇ *From:* Pete Lynn

• Prev by Date: ***Re: Deep Impact Kicks Off Fourth of July with Deep Space Fireworks***

• Next by Date: ***Re: SpaceX Falcon Aimed Toward California?***

• Previous by thread: ***Re: DIY space transport***

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