

Re: Galactic pancake mystery solved

Source: <http://sci.tech--archive.net/Archive/sci.astro.amateur/2005-04/msg00946.html>

- *From:* brian@xxxxxxx (Brian Tung)
 - *Date:* Sat, 9 Apr 2005 06:59:13 +0000 (UTC)
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Ernie Wright wrote:

- > There's something deep in this about the nature of scientific induction.
- > We start with discrepant facts (Brahe), find a curve fit (Kepler), build
- > a theory that accounts for the fit (Newton), then search for new facts
- > capable of disproving the theory. If you remove the curve fit (or the
- > pattern recognition, call it what you like) from this process, you have
- > no way to get from observation to theory construction. Even though it
- > doesn't look very scientific in isolation, it's a necessary step. You
- > can't leap over it, from Brahe to Newton. You need a Kepler. You need
- > a Linnaeus to get to Darwin, a Mendeleev to get to Moseley and Pauling.

Ernie, my most earnest thanks from another (rare) person who recognizes the pioneering contributions of Moseley.

Brian Tung <brian@xxxxxxx>

The Astronomy Corner at <http://astro.isi.edu/>

Unofficial C5+ Home Page at <http://astro.isi.edu/c5plus/>

The PleiadAtlas Home Page at <http://astro.isi.edu/pleiadatlas/>

My Own Personal FAQ (SAA) at <http://astro.isi.edu/reference/faq.txt>

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- *Follow-Ups:*
 - ◆ ***Re: Galactic pancake mystery solved***
 - ◇ *From:* Ernie Wright

- *References:*
 - ◆ ***Galactic pancake mystery solved***
 - ◇ *From:* shneor
 - ◆ ***Re: Galactic pancake mystery solved***
 - ◇ *From:* Chris L Peterson
 - ◆ ***Re: Galactic pancake mystery solved***
 - ◇ *From:* Tim Killian
 - ◆ ***Re: Galactic pancake mystery solved***
 - ◇ *From:* Ernie Wright

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