Re: INDOOR Positioning: New Solutions for Challenging Applications

Source: http://sci.tech−archive.net/Archive/sci.geo.satellite−nav/2004−08/0407.html

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From: Dale DePriest (*Dale_at_gpsinformation.het*)
Date: 08/04/04

Date: Wed, 04 Aug 2004 09:46:18 −0700

Try
http://www.rosum.com/rosum_tv−gps_indoor_location_technology.html

The basics are that a TV antenna is at a fixed location, The TV signal contains a timestamp which can be used in the same way as a time stamp in GPS. Thus 3 stations can results in a 2D fix in the same way that it is done in a GPS system by getting pseudo ranges and then correcting. You cannot get a 3D fix. Augmentation can be provided by another source that provides clock correction data for the individual TV stations. It doesn't work very well if all the stations in your area pick the same hill for the transmitter towers.

Dale

Hans−Georg Michna wrote:

> On Tue, 03 Aug 2004 09:41:08 −0700, Dale DePriest
> <Dale@gpsinformation.net> wrote:
>
>
>>Hardly first, I am afraid. There are already patents on this technology.
>
>
> Dale,
>
> really? Well, at least I am inventive. (:−)
>
> Hans−Georg
>

−−

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     _       _      Dale DePriest
    /`) _  //      http://users.cwnet.com/dalede
  o/_/ (_(_X_(`    For GPS and GPS/PDAs
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