

in $x = x_0$, $f(x)$ is continuous at x_0 if and only if $\lim_{x \rightarrow x_0} f(x) = f(x_0)$. This is the definition of continuity. If $f(x)$ is not continuous at x_0 , then $\lim_{x \rightarrow x_0} f(x) \neq f(x_0)$.

THE NEED FOR DEEPER UNDERSTANDING

At the end of the 1970s, the analysis of the data from the COBE satellite was a challenge. The data were noisy and the models were complex. The analysis was done using a Bayesian approach. The results showed that the data were consistent with the standard model of cosmology. This was a major achievement. The analysis was done using a Bayesian approach. The results showed that the data were consistent with the standard model of cosmology. This was a major achievement. The analysis was done using a Bayesian approach. The results showed that the data were consistent with the standard model of cosmology. This was a major achievement.

SHOULD A PRIORI INFORMATION BE USED?

The use of a priori information in the analysis of the COBE data was a controversial issue. Some people argued that it was necessary to use a priori information to constrain the models. Others argued that it was not necessary. The analysis was done using a Bayesian approach. The results showed that the data were consistent with the standard model of cosmology. This was a major achievement.



Figure 1 Sideways. An edge-on view of our galaxy, the Milky Way, taken by the Cosmic Background Explorer (COBE) satellite. How many models are consistent with the measured luminosity?

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FINDING A NEEDLE IN A HAYSTACK IS HARD IF THE HAYSTACK HAS HUNDREDS OF DIMENSIONS

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