
Subject: Re: constant time cadence

Posted by [natha](#) on Thu, 20 Apr 2017 12:46:07 GMT

[View Forum Message](#) <> [Reply to Message](#)

Interpolation (see function `interp`) or nearest neighbor. Example:

```
n=10
new_data=replicate(!values.f_nan,n)
new_time=lindgen(n)*300L

for i=0L, n-1 do begin
  dist=min(abs(your_time - new_time[i]),pos)
  if dist lt 5 then new_data[i]=your_data[pos]
endfor
```

In this example "your_time" and "your_data" are you arrays. Note that I set a tolerance of 5 seconds, you could change that...

Using `interp`, would be something like:

```
new_data=interp(your_data,your_time,new_time)
```
