

# By Logarithms

as Radius 10-00000 as  $\cos 56-15$  9-74474  
 is to diff Lat<sup>t</sup> 271 2-43297 is the diff Lat<sup>t</sup> 271 2-43297  
 so is Tang<sup>t</sup>  $\cos 56-15$  10-17511 so is Radius 10-00000  
 to the dep 405-6 = 2-60808 to the dist 487-8 = 2-68823

## Case 3<sup>d</sup>

Course and dep from the Meridian given to find the dist, and diff Latitude

If a ship sails N. E.  $16-6-3/4$  E from a port in  $3-15$  South Latitude until she depart from her first Meridian 406 miles I demand her distance and what Latitude she is in

Thomas Delano  
By Inspection

N. E. by E  $16-6-3/4$  E  
 distance 411  
 112° diff Lat<sup>t</sup>

# By Logarithms

as radius 10-00000 as sine course  $64-41$  9-98615  
 is to the departure 406 2-60843 is to the distance 487-8 2-68823  
 so is  $\cos$  course  $64-41$  9-64491 so is radius 10-00000  
 to the diff of Lat<sup>t</sup> 271 2-43297 to the distance 487-8 2-68823

# By Inspection

Thomas Delano & Thomas Care

Distance and Difference of Latitude given to find the Course and Departure Station of Work

Suppose a Ship sails 488 miles between the South and the east from a port in  $2-52$  South Latitude and by observation is in  $4-23$  South Latitude what course has she steered and what departure has she made from the latitude by observation  $4-23$  take  $2-52$  the latitude left the remainder  $1-31$

271 miles is the difference of latitude  
 488 dist  
 271  
 7-23  
 2-52  
 4-31  
 60 difference of Lat<sup>t</sup>  
 Thomas Delano

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Thomas Delano

as the distance 488 2-68822 as radius 10-00000  
 is to radius 10-00000 is to the distance 406 2-60843  
 so is the departure 271 2-43297 so is sine course  $64-16$  9-91933  
 $\cos$  course  $56-16$  9-74455 to the departure 405-6 2-60835

Brazil Banker December 10 1817  
 this day Laying too under a main top sail all hands Employed in scrubbing decks the wind S. E. and Rainy and cold enough to freeze the Deck boards off