```
function result = trapz2( func, a, b, eps, npts, varargin)

    eps = (b - a) * eps;

    midp = 0.5 * (a+b);

    xpoints = a + logspace( log10(eps), log10( midp - a), npts / 2);
    ypoints = feval( func, xpoints, varargin{:});

    i1 = trapint( ypoints, xpoints);

      xpoints = b - logspace( log10(eps), log10( b - midp), npts / 2);
    ypoints = feval( func, xpoints, varargin{:});

   i2 = -1*trapint( ypoints, xpoints);

   result = i1 + i2;

return


function trapi = trapint( y, x)

    trapi = 0.5 * sum( (x(2:end) - x(1:end-1)) .* (y( 2:end) + y( 1:end-1)));

return
```

```
Not enough input arguments.

Error in trapz2 (line 3)
    eps = (b - a) * eps;
          ^
```

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