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Slide 2



## Parallel Version of Numerical Integration — Strategy

• Basic strategy seems sort of obvious? most of the processing consists of adding up items computed in a for loop, so "parallelize" that: Parcel out iterations of loop among threads, have each thread compute a partial sum, and then combine partial sums.

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• But it seems like there might be some issues: How to split iterations among threads? What about shared variables (here, x and sum)? Probably need to do *something*, no?





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