Office Hours for Finals

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NOTE: the final exam will be in our MWF room, 305 KH.

You may take the exam during the other section’s scheduled time, if you email by 4PM Tuesday, 12/11. This will be on a first come, first serve basis as space in the room allows.

The following are the types of problems to expect for the final. For practice problems, see the previous reviews, homeworks (and WeBWorKs) and problems on the Chapter review.

- Basic computations on vectors.
- Chapter 16 (§16.1-16.4) problems
- Integration, including reversing order of integration on a double integral
- A problem involving the Jacobian (§15.9)
- Find all local maximums, minimums and/or saddle points
- A problem involving curvature
- A problem involving finding $\mathbf{T}$, $\mathbf{N}$ and/or $\mathbf{B}$.
- A problem involving the chain rule
- Find the max/min of a function over a region (involving both interior and boundary of the region)
- Find an equation of a plane given certain information (see §12.5, #23-38 OR tangent plane problems).
- A problem involving cylindrical and/or spherical coordinates
- A problem involving $\mathbf{a}(t)$, $\mathbf{v}(t)$ and $\mathbf{r}(t)$
- A problem involving partial derivatives
- A problem involving directional derivatives