

MA153 Lesson 24

LESSON 24 - Block II Review

6 RockTober, 2008

Outline

- 1 Admin
- 2 Last Class
 - LaGrange
 - Homework Help

Admin

① Project Questions?

Admin

- 2 This week - WPR Tuesday; Next Week - IT Labs again and Double Integrals

MA 153 Block II Review WPR II Checklist

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- 1 Admin
- 2 Last Class
 - LaGrange
 - Homework Help

Using LaGrange and Optimization

- 1 Solve the equations $\nabla Ob(x, y, z) = \lambda \nabla Co(x, y, z)$ and $Co(x, y, z) = k$ for all values of x, y, z, λ by solving the system of four equations and four unknowns.

Using LaGrange and Optimization

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Using LaGrange and Optimization

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- 2 Evaluate Ob at all the points (x, y, z) . The largest of these values is the max; the smallest is the minimum.
- 3 Find partial derivatives and set equal to zero - solve the system of equations to find all critical points. $\nabla f(a, b) = \langle f_x, f_y \rangle = \langle 0, 0 \rangle$

Homework Help

Questions? - Homework Help

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