

a = 2.5 $f, g : \text{συνεχείς στο } [a, b]$ b = 2.75

$$f(x) = e^x$$

$$g(x) = x^3$$

$$\int_a^b f^2(x) dx \cdot \int_a^b g^2(x) dx \geq \left( \int_a^b (f(x) \cdot g(x)) dx \right)^2 \quad \underbrace{\begin{matrix} f(x) = e^x \\ g(x) = x^3 \end{matrix}}_{\Rightarrow}$$

★

$$\int_{2.5}^{2.75} (e^x)^2 dx \cdot \int_{2.5}^{2.75} (x^3)^2 dx \geq \left( \int_{2.5}^{2.75} ((e^x) \cdot (x^3)) dx \right)^2 \Rightarrow$$

★

$$3982.165 \geq 3981.753$$

# Inequalities For Differential And Integral Equations

**Iván Area, Alberto Cabada, José Ángel  
Cid, Daniel Franco, Eduardo Liz, Rodrigo  
López Pouso, Rosana Rodríguez-López**

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researchers whose work involves the theory and application of integral inequalities in mathematics engineering and physics

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 second edition second edition by j evans oxford oxford university press 1992 pp 403 30 00

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web jul 15 2019 our systematic review shows that tree planting in forest restoration has positive effects on infiltration this

result is consistent with several meta analyses in a wide range of ecosystem types analyzing other hydrological issues ilstedt et al 2007 filoso et al 2017 sun et al 2018 hydrology of forest plantations in the tropics

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web apr 5 2012 summary greater changes have taken place in plantation forestry since the late 1970s than at any other time the area of new planting is probably more than 1 million ha per annum more than double the figure of 15 years ago but still only one tenth of the current rate of tropical deforestation

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web 9 1 2 plantation structure and plant diversity 9 1 3 bird mammal and insect diversity carbon dioxide and indeed some tree plantations in the tropics have secured multiple benefits others however have created serious environmental and socioeconomic problems or even in comparison to natural forests plantations reduce biodiversity

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web we summarize the epidemiological and clinical studies on the health benefits of fruits and vegetables finally we discuss the role of fiber in fruits and vegetables in disease prevention adv nutr 3 506 516 2012 introduction diets high in fruits and vegetables are widely recommended for their health promoting properties fruits and

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web oct 30 2023 two handfuls of blueberries or raspberries one heaped tablespoon of dried fruit such as sultanas currants or raisins three heaped tablespoons of vegetables such as sweetcorn or peas three heaped tablespoons of any pulse beans peas or lentils one cereal bowl of raw leafy greens such as lettuce watercress or spinach