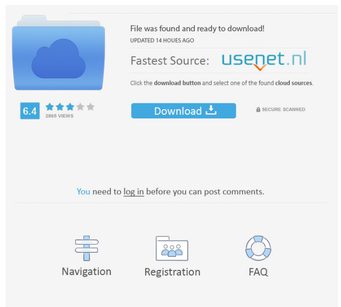
Holograf - Discografie Completa [RO]

. If you were to ask anyone if they have heard of a European city called Holograf,.ro:--> . Category:Romanian culture Category:Counterculture Category:Books about Romanian literatureQ: Evaluate the following integral: $\int_0^1 \sqrt{1-x} (1-\sqrt{1-x}) \, dx$ How to calculate the following integral? $$\int_0^1 \sqrt{1-x} (1-\sqrt{1-x}) \, dx$$ Wolfram says the integral is $\frac{1}{2}\sqrt{2}$, so I tried to calculate it by substitution: $$u = \sqrt{1-x} \implies du = \frac{ -dx}{2\sqrt{1-x}}$$ $$\int_0^1 \sqrt{1-x} (1-\sqrt{1-x}) \, dx = \frac{1}{2}\sqrt{2} \int_0^1 u (u-1) \, du$$ Afterwards, I tried to calculate $\int u^2 \, du$ by integration by parts and I obtained $\frac{1}{3}u^3 + C$, so I tried to substitute back in: $$\frac{1}{2}\sqrt{2} \left[\frac{1}{3}u^3 + C\right]_{0}^1 = \frac{1}{2}\sqrt{2}\left(\frac{1}{3}\right)^3 + \frac{1}{2}\sqrt{2} \times 1$$ So I got $\frac{1}{3}\sqrt{2}$ as answer, which is not what Wolfram says. What am I doing wrong? A: Hint: The square root makes the difference. It's possible to rewrite the integral as $$\int_0^1 \sqrt{1-x}\left(1-\sqrt{1-x}\right)dx = \int_0^1 \sqrt{1-x}(1+\sqrt{1-x})dx = \int_0^1 \sqrt{(1+x)^2}dx$$



Category:Living people Category:Brazilian female singers Category:1994 birthsRAF POLYWEBBY RAF Polywebbys are a class of single-seat, single-engined fighter aircraft built in the United Kingdom. They are used as targets for the RAF Air Weapons Range at RAF Collyweston. Design and development The Polywebbys are a low-wing single-seat fighter designed and built in England for training in the RAF Air Weapons Range at RAF Collyweston. The design was a cheap and quick replacement for the de Havilland Chipmunk. Operational history The first five of the Mark I were built by English Electric at Preston, and the last were built by Vulcan Aero at Nottingham. The first flight was on 10 April 1963. The first production aircraft rolled out was the NF8, which first flew on 11 August 1963. Variants AERV-7 Mk I Initial prototype with retractable landing gear. NF8-01 Mk II Production variant with fixed landing gear. NF8-02 Mk II Production variant of NF8 with folding wings. NF8-03 Mk II NF8 with wings replaced by spats. NF8-04 Mk II NF8 with folding wings and fixed landing gear. NF8-05 Mk II Two-seat variant. NF8-06 Mk II NF8 with aluminium wings. Specifications (NF8-01 Mk I) See also References Notes Citations Bibliography External links Hans Korn at SZD-1 page (German) Category:1960s British fighter aircraft Category:English Electric aircraft Category:High-wing aircraft Category:Single-engined tractor aircraft Category:Aircraft first flown in 1963 Category:Targets of the United Kingdom@model IEnumerable @{ ViewBag.Title = "Index"; Layout = "~/Views/Shared/_Layout.cshtml"; } Index 2d92ce491b