BRUDNOPIS - ANALIZA II, 2020

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$$\int_0^{\pi/2} f(\cos x)dx = [x = \arccos t, dx = -\frac{1}{\sqrt{1-t^2}}dt] = -\int_1^0 \frac{f(t)}{\sqrt{1-t^2}}dt = \int_0^1 \frac{f(t)}{\sqrt{1-t^2}}dt$$

$$\int_0^{\pi/2} f(\sin x)dx = [x = \arcsin t, dx = \frac{1}{\sqrt{1-t^2}}dt] = \int_0^1 \frac{f(t)}{\sqrt{1-t^2}}dt$$

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