

$$2008\text{-AII: } h_a(x) = \arctan(x e^{ax}); \quad a > 0$$

$$2009\text{-AI: } h(x) = \begin{cases} \arctan\left(\frac{1}{|x-1|}\right) & x \neq 1 \\ 0,5\pi & x = 1 \end{cases}$$

$$2009\text{-AII: } F(x) = -2e^{-x} \cdot \sqrt{e^x - 1} + 2 \arctan \sqrt{e^x - 1}$$

$$2010\text{-AI: } k(x) = 2 \cdot \arctan(\sqrt{x^2 - 1})$$

$$2012\text{-AI: } f_m(x) = \arctan\left(1 - \frac{2}{m \cdot x}\right)$$

$$2013\text{-AI: } F(x) = x \cdot \ln\left(\frac{x^2 + 4}{2x^2}\right) + 4 \arctan\left(\frac{x}{2}\right) + \pi$$

$$2013\text{-AII: } g(x) = \begin{cases} (x^2 - 1) e^{-x} & x < 1 \\ \frac{\arctan(3 - 3x)}{x} & x \geq 1 \end{cases}$$

$$2014\text{-AI: } k(x) = -2 \arctan(x)$$

$$2015\text{-AII: } f_a(x) = 2 \cdot \arctan\left(\frac{x^2 - a}{x^2 + a}\right)$$

$$2016\text{-AI: } f(x) = \arctan\left(\sqrt{\frac{2-x}{2+x}}\right)$$

$$2016\text{-AII: } k(x) = \arctan\left(\frac{(x-1)^2}{(x+1)(x-3)}\right)$$

$$2017\text{-AII: } g(x) = \arctan\left(\frac{1}{x \cdot (1 - \ln(x))^2}\right)$$

$$2018\text{-AI: } h(x) = 2 + \arctan\left(\frac{1}{2}x\right) + \pi$$

$$2019\text{-AII: } h(x) = \arctan\left(\frac{x^2 - 1}{2x}\right)$$

$$2020 \text{ oHiMi: } g(x) = \arctan\left(\frac{x+1}{x-1}\right)$$

$$2020\text{-AII: } f(x) = x + \arctan\left(1 + \frac{1}{x}\right)$$

$$2021 \text{ oHiMi: } f(x) = 2 \cdot \arctan(3 - 5x - 2x^2)$$

$$2021\text{-AII: } h(x) = x \cdot \arctan\left(\frac{1}{x-1}\right)$$

$$2022\text{-AI: } f(x) = \arctan\left(1 - \frac{2}{5x}\right)$$

$$2023 \text{ oHiMi: } f(x) = \frac{\pi}{4} - \arctan\left(\frac{1-x}{x}\right)$$

$$2023\text{-AI: } h(x) = \arctan(1 - x^2)$$

$$2024\text{-AI: } g(x) = \arctan\left(\frac{x^2 - 9}{x - 5}\right)$$