2142. $\int \dfrac{\arcsin x}{x^2} \cdot \dfrac{1+x^2}{\sqrt{1-x^2}}\, dx.$

2143. $\int \dfrac{x \ln (1 + \sqrt{1+x^2})}{\sqrt{1+x^2}}\, dx.$

2144. $\int x \sqrt{x^2+1}\, \ln \sqrt{x^2-1}\, dx.$

2145. $\int \dfrac{x}{\sqrt{1-x^2}} \ln \dfrac{x}{\sqrt{1-x}}\, dx.$

2146. $\int \dfrac{dx}{(2 + \sin x)^3}.$ 2147. $\int \dfrac{\sin 4x}{\sin^6 x + \cos^6 x}\, dx.$

2148. $\int \dfrac{dx}{\sin x \sqrt{1 + \cos x}}.$

2149. $\int \dfrac{ax^2 + b}{x^2 + 1} \operatorname{arctg} x\, dx.$

2150. $\int \dfrac{ax^2 + b}{x^2 - 1} \ln \left| \dfrac{x-1}{x+1} \right|\, dx.$

2151. $\int \dfrac{x \ln x}{(1 + x^2)^2}\, dx.$

2152. $\int \dfrac{x \operatorname{arctg} x}{\sqrt{1 + x^2}}\, dx.$ 2153. $\int \dfrac{\sin 2x}{\sqrt{1 + \cos^4 x}}\, dx.$

2154. $\int \dfrac{x^3 \arccos x}{\sqrt{1 - x^2}}\, dx.$

2155. $\int \dfrac{x^4 \operatorname{arctg} x}{1 + x^2}\, dx.$ 2156. $\int \dfrac{x \operatorname{arcctg} x}{(1 + x^2)^3}\, dx.$

2157. $\int \dfrac{x \ln (x + \sqrt{1 + x^2})}{(1 - x^2)^2}\, dx.$

2158. $\int \sqrt{1 - x^2}\, \arcsin x\, dx.$

2159. $\int x (1 + x^2) \operatorname{arcctg} x\, dx.$ 2160. $\int x^x (1 + \ln x)\, dx.$

2161. $\int \dfrac{\arcsin e^x}{e^x}\, dx.$ 2162. $\int \dfrac{\operatorname{arctg} e^{x/2}}{e^{x/2} (1 + e^x)}\, dx.$

2163. $\int \dfrac{dx}{(e^{x+1} + 1)^2 - (e^{x-1} + 1)^2}.$

2164. $\int \sqrt{\operatorname{th}^2 x + 1}\, dx.$ 2165. $\int \dfrac{1 + \sin x}{1 + \cos x} \cdot e^x\, dx.$

2166. $\int |x|\, dx.$ 2167. $\int x|x|\, dx.$ 2168. $\int (x + |x|)^2 dx.$

2169. $\int \{|1 + x| - |1 - x|\}\, dx.$

2170. $\int e^{-|x|}\, dx.$ 2171. $\int \max (1,\ x^2)\, dx.$