

225

$$\lim_{x \rightarrow 0} \left( \frac{x^2 + x + 3}{\sqrt{\arcsin x}} \right)^{\log \frac{x^2 + x + 3}{\tan^2 x + 2\sqrt{x} + \sin x}} =$$

$$= \lim_{x \rightarrow 0} e^{\sqrt{\arcsin x} \cdot \log \frac{x^2 + x + 3}{\tan^2 x + 2\sqrt{x} + \sin x}}$$

~~$$= \lim_{x \rightarrow 0} e^{\sqrt{\arcsin x} \cdot \log \frac{x^2 + x + 3}{\tan^2 x + 2\sqrt{x} + \sin x}}$$~~

$$\lim_{x \rightarrow 0} e^{\sqrt{\arcsin x} \cdot \frac{x^2 + x + 3}{\tan^2 x + 2\sqrt{x} + \sin x} \cdot \log \frac{x^2 + x + 3}{\tan^2 x + 2\sqrt{x} + \sin x}}$$

$$= \lim_{x \rightarrow 0} e^{\frac{\sqrt{\arcsin x}}{x} \cdot \frac{x^2 + x + 3}{\frac{\tan^2 x}{x^2} + \frac{2}{x\sqrt{x}} + \frac{\sin x}{x^2}} \cdot \frac{\log \frac{x^2 + x + 3}{\tan^2 x + 2\sqrt{x} + \sin x}}{\frac{x^2 + x + 3}{\tan^2 x + 2\sqrt{x} + \sin x}}}$$

$$= e^{1 \cdot \frac{3}{1+0+0} \cdot 0} = 1$$

1. ~~Sibelius - Pell  
Philharmoniker~~

2. ~~Schubert - IV  
op 142 D 935.~~

4. ~~Stravinsky Ric  
Also sprach Z~~

~~Vukobranovic  
Vladimir A~~

6. ~~Stivell Alan  
Anahicent~~

7. ~~Stivell Alan~~

8. ~~Stravinsky  
Detroit Sym~~

~~Anahicent~~