(Look at this f) and this f? (see also k?, x? and z?)
There might be more problems (like between t and the parenthesis in e^t)
is too small.
The space between dx and the bar is too small:

$$\Big|\int\limits_0^\pi \sin x\,dx\Big|,$$

Look at the f and the bar:

$$\Big|\int f\Big|$$

The x seems to be outside the fraction:

$$\frac{a^2}{1-x}$$

We add another one (in fact two) including f:

$$f\Big(\frac{a+b}{2}\Big)$$

Also look at ξ_0 and ξ_1, the subscripts are too far away from ξ. Compare
with f_0 and f_1, g_0 and g_1.
With δ_f and δ_g, I think it looks like the space is too big, in particular
between δ and f, but maybe that is a matter of taste.