

# Erratum: “Influence of Blade Deterioration on Compressor and Turbine Performance”

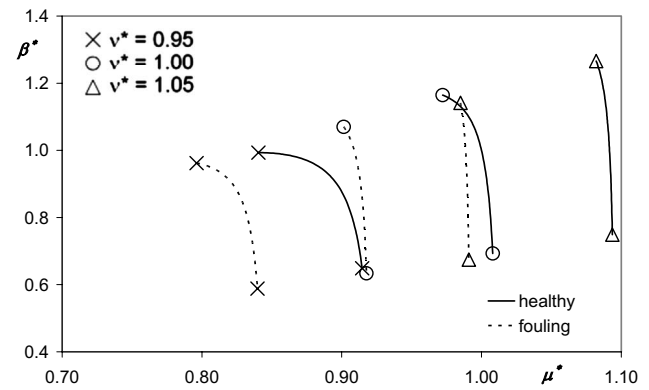
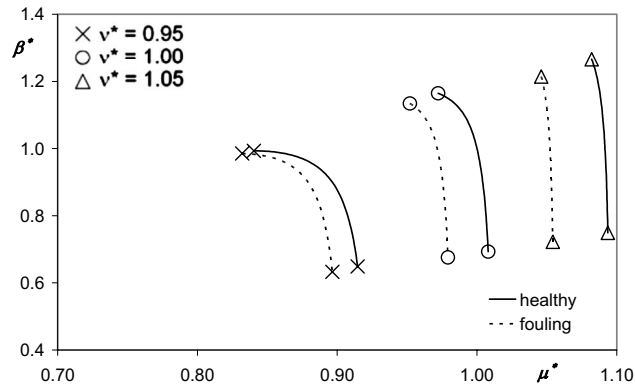
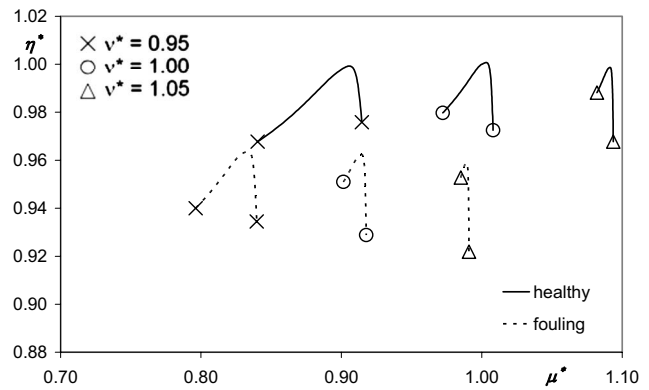
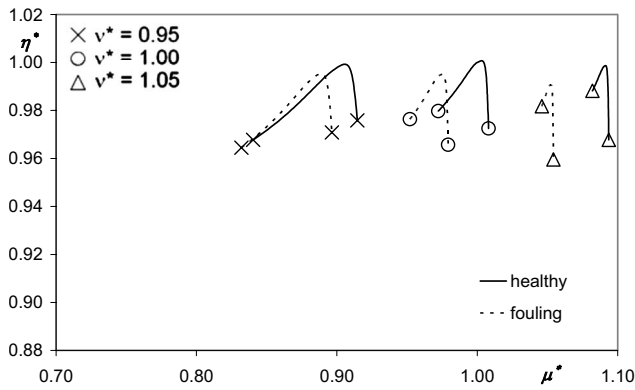
[Journal of Engineering for Gas Turbines and Power, 2010, 132(3), p. 032401]

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The correct form of the equation which defines  $\eta_C$  (reported on p. 10, first column, line 2 of the printed version) is the following:

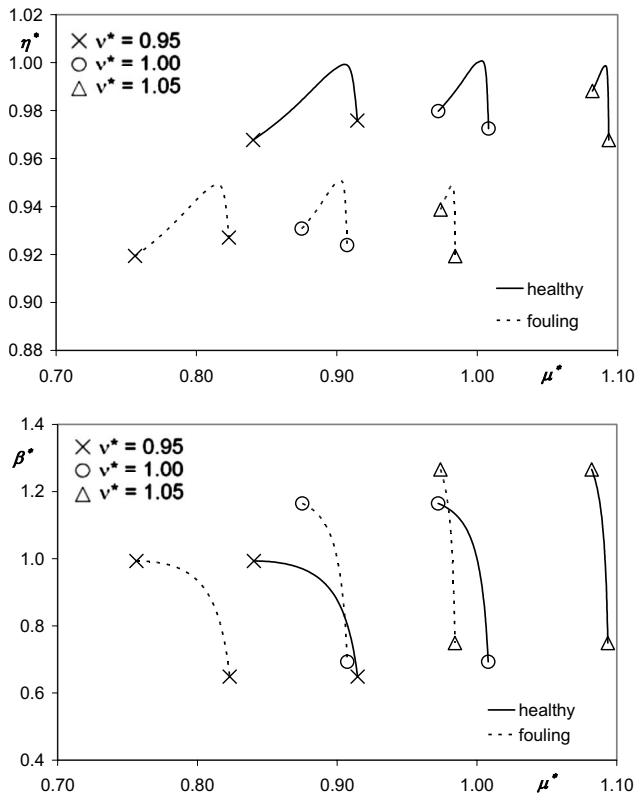
$$\eta_C = \frac{h(T_{0(n+1)s}) - h(T_{01})}{h(T_{0(n+1)}) - h(T_{01})}$$

Moreover, in the published paper, there are several mismatches between captions and figures for Figs. 2–4 and 7–11. The correct coupling between captions and figures is reported in the following.

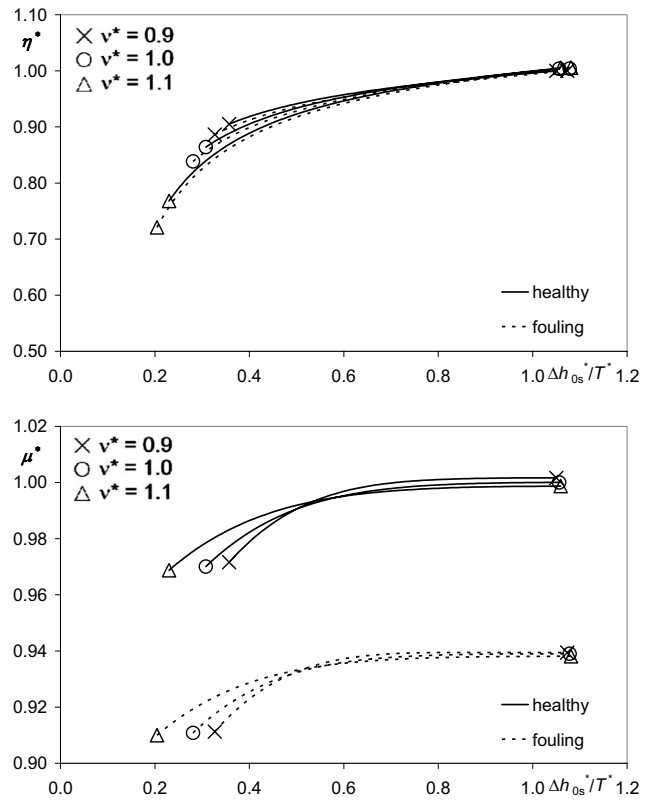


**Fig. 2** Effect of fouling on the first compressor stage ( $\Delta A^* = -10\%$ ,  $\Delta \eta^* = -5\%$ )

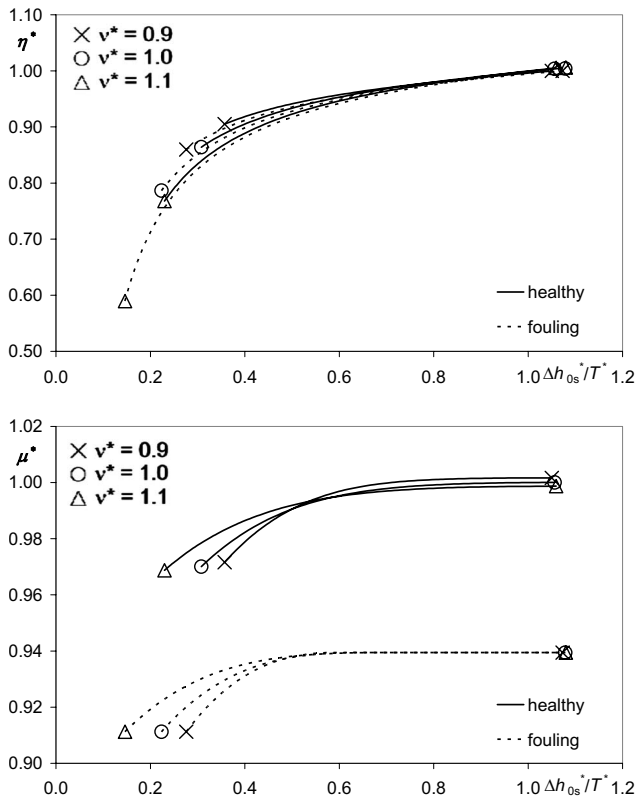
**Fig. 3** Effect of gradual fouling on all stages



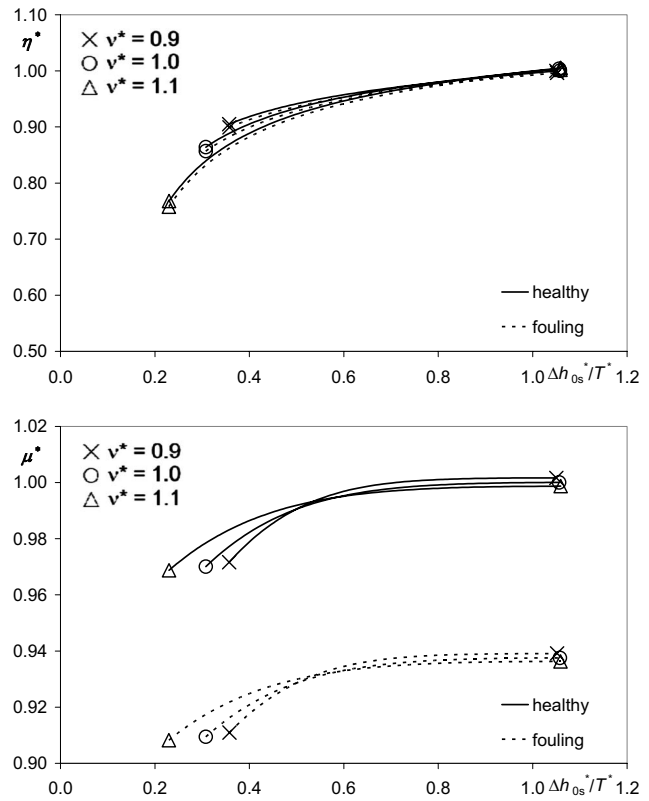
**Fig. 4** Effect of fouling on the whole compressor ( $\Delta A^* = -10\%$ ,  $\Delta \eta^* = -5\%$ )



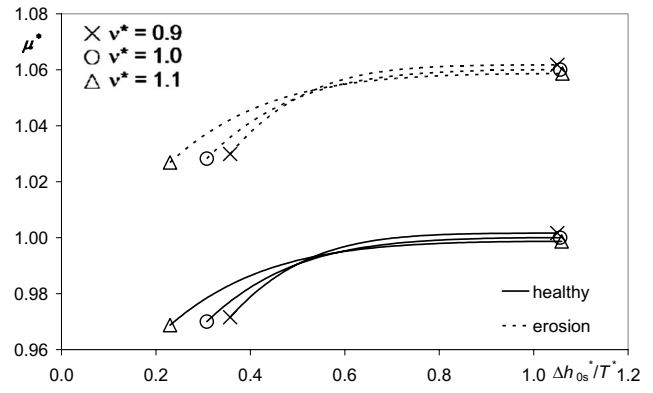
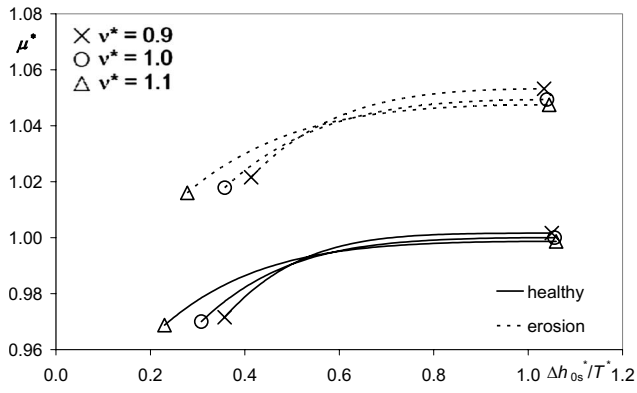
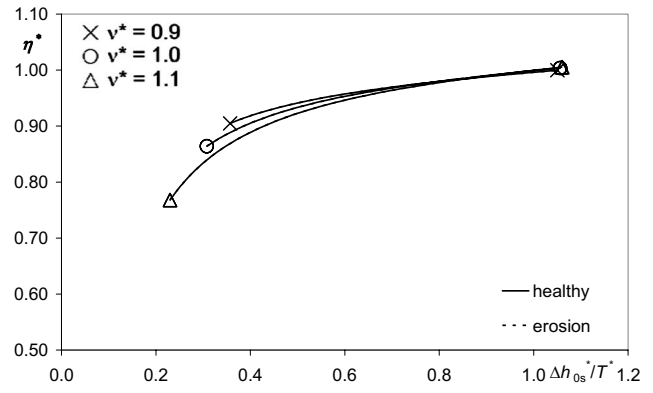
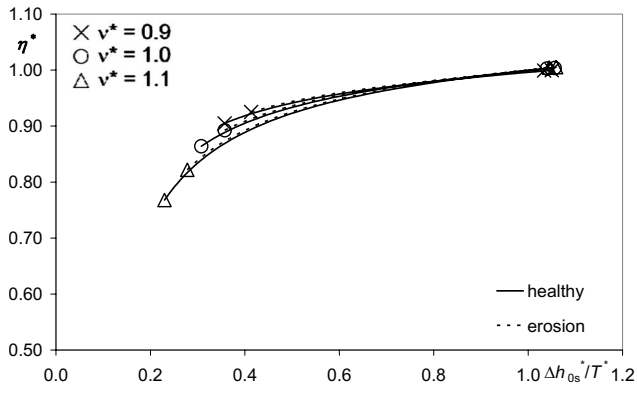
**Fig. 8** Effect of gradual fouling on the whole turbine



**Fig. 7** Effect of fouling on turbine first stator ( $\Delta A^* = -6\%$ ,  $\Delta Y^* = +3\%$ )



**Fig. 9** Effect of fouling on the whole turbine ( $\Delta A^* = -6\%$ ,  $\Delta Y^* = +3\%$ )



**Fig. 10 Effect of erosion on turbine first stator ( $\Delta A^* = +6\%$ )**

**Fig. 11 Effect of erosion on the whole turbine ( $\Delta A^* = +6\%$ )**