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To avoid absorption at 5=0 in case of CEV with P<1 instead of 4(x) use regularized version  $\mathcal{Y}(x) = x \min(\xi^{P-1}, x^{P-1}), \xi > 0$ for some small E. 1.  $X > \varepsilon \Rightarrow \frac{1}{x^{1-p}} < \frac{1}{\varepsilon^{1-p}}$ , 1-p > 0.  $min(\xi^{P-1}, x^{P-1}) = x^{P-1}, \ \varphi(x) = x^{P}, \ \overline{G} = S^{P-1}.$ 2.  $X \leq E \Rightarrow \frac{1}{5P-1} \leq \frac{1}{\sqrt{P-1}}$ , 1-P>0.  $\min(\varepsilon^{P-1}, x^{P-1}) = \varepsilon^{P-1}, \quad \varphi(x) = x \varepsilon^{P-1}, \quad G = \varepsilon^{P-1}.$