# Corrigendum to: Self-consistent modeling of turbulence and transport [J. Comput. Phys. 185 (2003) 399-426] 

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We thank our colleague Maxim Umansky for pointing out the following qualification and corrections to our paper.

The first sentence of the 8th paragraph of Section 2, beginning "On the other hand, if the scheme is fully implicit. ..", suggests the fully implicit scheme is limited only by accuracy considerations. But there is short-spatial-scale instability of the fully implicit scheme for $-2<\xi^{2} \Delta t D(p+1)<0$. As a practical matter, this case should not come up, because for $p+1<0$ and $\Delta t D>0$, the differential equation itself is unlikely to be of interest: it exhibits behavior similar to anti-diffusion, and is unstable about its steady-state solution.

Just before Eq. (13) the penultimate sentence should read: "Then, for large perturbation wavenumbers, $\delta \partial \bar{D}^{m, l} / \partial x=-k^{2}\left(\partial D^{m} / \partial n^{\prime}\right) \overline{\delta n}{ }^{(l)}$, where...$"$

The first sentence of the penultimate paragraph of Section 2 should read: "We caution the reader that it is easy to generate an ill-posed problem or singular matrix $M$ if $\Gamma=-D \nabla n$ and $D$ is allowed to change sign across the mesh."

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