



Correction to: The High-Order Mixed Mimetic Finite Difference Method for Time-Dependent Diffusion Problems

Gianmarco Manzini¹ · Gianluca Maguolo² · Mario Putti³ 

Published online: 16 August 2019

© Springer Science+Business Media, LLC, part of Springer Nature 2019

Correction to: Journal of Scientific Computing

<https://doi.org/10.1007/s10915-019-01002-4>

The original version of this article unfortunately contained the following errors:

In Section 2, the reference to equations should be (see 2a–2e) instead of (see 2a–2d).

In equation (34a), the symbol ϕ_h should be ϕ^\perp .

In the proof of Theorem 1, the reference to equation should be (32) instead of (34). Also, the penultimate sentence in the theorem proof should read as “We then note that $\widehat{\mathbf{u}}_h$ and \widehat{p}_h are continuously differentiable with respect to t and solve the problem obtained by taking the derivative of (33).”

The superfluous (t) in equation (41) should be removed (i.e., $[((\operatorname{div} \mathbf{u})(t))^\perp(t), q_h]_{Q_h}$ should be changed as $[((\operatorname{div} \mathbf{u})(t))^\perp, q_h]_{Q_h}$).

The expression $\frac{\partial p}{\partial t}$ in theorems 2–4 should be changed to $\frac{dp}{dt}$.

The double vertical bars $\| \|$ in few equations should be changed to triple vertical bars $\| \| \|$.

In inequality (46), the first two norms should have subscript X_h instead of Q_h .

Finally, in the reference section, the author name should be ‘Beirão da Veiga, L.’ instead of ‘da Veiga, Beirão L.’.

The original article has been corrected.

Publisher’s Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

The original article can be found online at <https://doi.org/10.1007/s10915-019-01002-4>.

✉ Mario Putti
putti@math.unipd.it

Gianmarco Manzini
gmanzini@lanl.gov

Gianluca Maguolo
gianlucamaguolo93@gmail.com

¹ Group T-5, Theoretical Division, Los Alamos National Laboratory, Los Alamos, NM, USA

² Department of Information Engineering, University of Padua, via Gradenigo 6, Padua, Italy

³ Department of Mathematics “Tullio Levi-Civita”, University of Padua, via Trieste 63, Padua, Italy