List of bigger and smaller corrections in articles I've been involved in

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Simulation of reactive transport in fractured porous media

Transport in porous media, 2023. https://doi.org/10.1007/s11242-023-01946-0

- In the article structure, it should be '... as follows. Section 2 introduces ...'
- The second line in Sec. 2.5 should be '... geochemical equations (3)-(6) are ...'
- Eq. 16 should be: $\mathbf{n}_h \cdot \mathbf{v}_h = \Xi_j^h v_j, \quad \text{on } \partial_j \Omega_h, \quad j \in \check{S}_i.$
- In Eqs. 21 and 25, the upper flux condition should be: if $v_j \geq 0$,
- The equations in Sec. 2.6 and further on should be numbered (27), (28) and so on.
- The first sentence in Sec. 3 should be '... consists of the PDEs (7)-(26) and the nonlinear geochemical equations (3)-(6), together with the constitutive laws (28)-(33).' Also, Eqs. (9) and (10) are complementary equations to solving the overall problem, but not a part of the global system.
- In Sec. 3.2, the very last sentence in the first paragraph should be 'Further, the mass action laws (2a) and (2b) can ...'
- The first sentence in Sec. 3.3 should be '... with the geochemical equations (3)-(6) and the constitutive laws (28)-(33) ...'
- In the digression about other approaches in Sec. 3.3, 'chemical transport equations (8)' should be 'chemical transport equations (10)'.

A discrete fracture matrix framework for simulation single-phase flow and non-isothermal reactive transport

Computational geoscience, 2024. https://doi.org/10.1007/s10596-024-10327-5

- The paragraph about Reaktoro in the introduction should be '...that solve chemical equilibrium reactions, based on the Gibbs minimisation formulation [10,33,34]. For chemical kinetics calculations, it uses a method from [35], which is based on a partial equilibrium assumption.'
- The introduction paragraph should be '... the chemical reaction equations in Sec. 2.1 ...'
- In Sec. 4.3, to be completely correct in the paragraph about the necessity of having efficient solution strategies, the text should have been 'In our somewhat simplified simulation design, we ..., and solve the governing PDEs Eqs 8-11 in 2500 control volumes at every time step. When fractures are present, we also have to solve Eqs. 14-26 in the control volumes representing the lower-dimensional subdomains and interfaces between the subdomains.'

A simulation study of the impact of fracture networks on the co-production of geothermal energy and lithium

Geothermal energy, 2025. https://doi.org/10.1186/s40517-025-00356-3
(The corrections are mostly due to the co-authors going berserk with editing my original draft)

- In the description of the article structure, 'Sect. Simulations of evolution of lithium concentration118 and temperature' should be 'Sect. Simulations of lithium concentration and temperature'. Also, the section title 'Simulations of evolution of lithium concentration and temperature' should be 'Simulations of lithium and temperature' to be more readable.
- The first sentence in Sect. *Mathematical model and numerical approach* should be 'We consider a fractured porous medium, where, following Martin et al. 2005, fractures are ...'
- In the description of the matrix energy conservation equation (Eq. 4), 'effective' should be 'average'. (Not a typo, but I find 'average' more understandable, since the parameters in question are porosity-weighted averages, while the term 'effective' is used in different settings, with its meaning not always clear to me.)
- In the text below the definition of W_c and W_T, 'PX curves' should be 'PX lines', X being 10, 50 and 90.