Erratum: Constant pressure molecular dynamics on a hypercylinder [Phys. Rev. E 64, 026112 (2001)]

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Expressions of Sec. III are incorrect. The introduction of the nondiagonal elements of the curvature radius proposed in the paper does not conserve energy in general. The consistent procedure described in Ref. [10] of this paper assumes orientation of the main curvatures along the principal directions of the tensor of internal pressure. As a result, in Eqs. (11), (12), and (14) $\dot{R}_{\alpha\beta}/R_{\alpha\beta}$ should be replaced by $B_{\alpha\beta}=A_{\alpha\beta}^{-1}(\dot{R}_{\gamma\gamma}/R_{\gamma\gamma})A_{\gamma\beta}$, where $A_{\alpha\beta}\sigma_{\gamma\nu}A_{\nu\beta}^{-1}=\delta_{\alpha\beta}\lambda_{\alpha}$. The equation for curvature radius in Eq. (12) should read $Nm\ddot{R}_{\alpha\alpha}=(\lambda_{\alpha}-p\Omega)/R_{\alpha\alpha}$.