

ESI for “Bayesian determination of the effect of a deep eutectic solvent on the structure of lipid monolayers”

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1 Probability distribution functions

The two-dimensional probability distribution functions (PDFs) for all parameters and all lipids from the X-ray reflectometry models are given in Figures 1-16. The two-dimensional probability distribution functions (PDFs) for all parameters and all lipids from the neutron reflectometry models are given in Figures 17-20.

References

- [1] A. McCluskey, *Figures for "Bayesian determination of the effect of a deep eutectic solvent on the structure of lipid monolayers"*, 2018, [https:](https://)

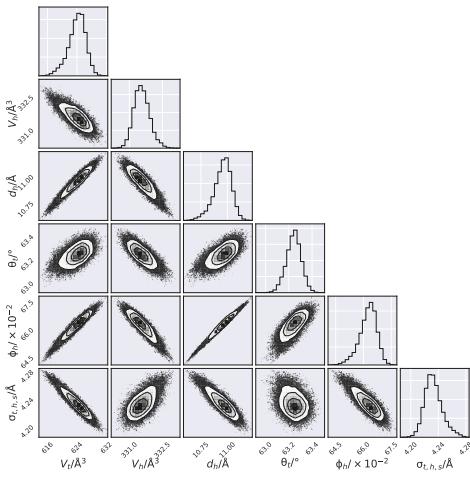


Figure 1: The multi-parameter PDFs for the chemically-relevant model of DLPC X-ray reflectometry data at 20 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

[//figshare.com/articles/_/6661784/0.](https://figshare.com/articles/_/6661784/0)

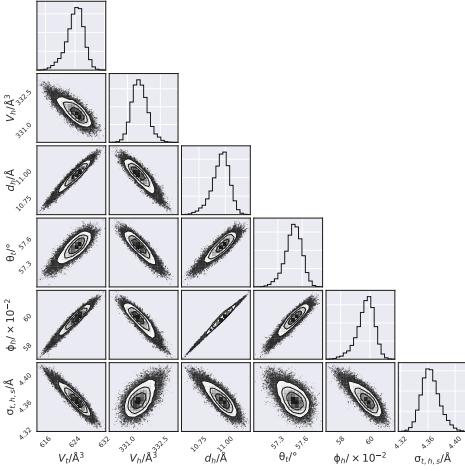


Figure 2: The multi-parameter PDFs for the chemically-relevant model of DLPC X-ray reflectometry data at 25 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

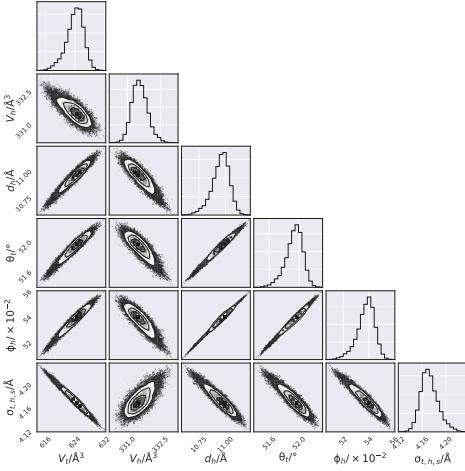


Figure 3: The multi-parameter PDFs for the chemically-relevant model of DLPC X-ray reflectometry data at 30 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

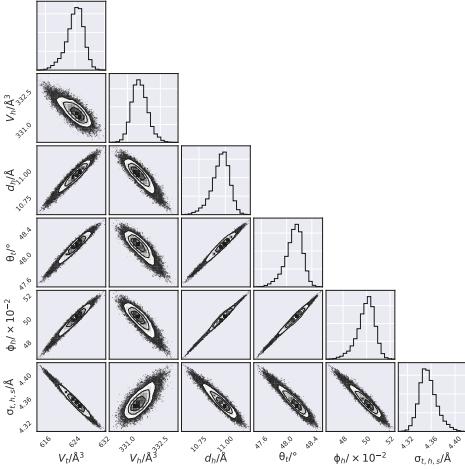


Figure 4: The multi-parameter PDFs for the chemically-relevant model of DLPC X-ray reflectometry data at 35 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

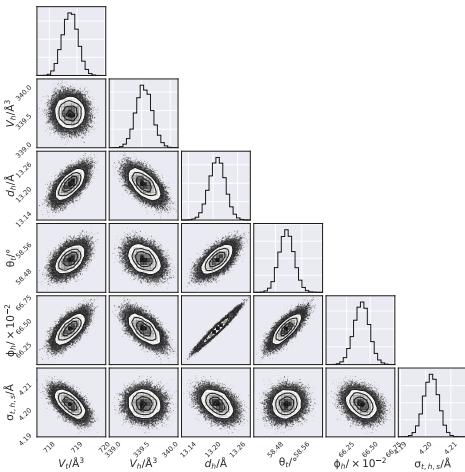


Figure 5: The multi-parameter PDFs for the chemically-relevant model of DMPC X-ray reflectometry data at 20 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

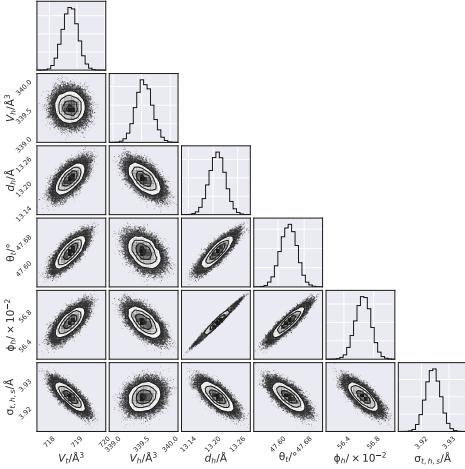


Figure 6: The multi-parameter PDFs for the chemically-relevant model of DMPC X-ray reflectometry data at 25 mNm⁻¹. Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

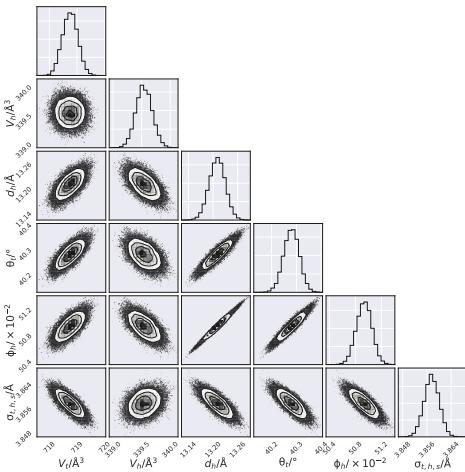


Figure 7: The multi-parameter PDFs for the chemically-relevant model of DMPC X-ray reflectometry data at 30 mNm⁻¹. Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

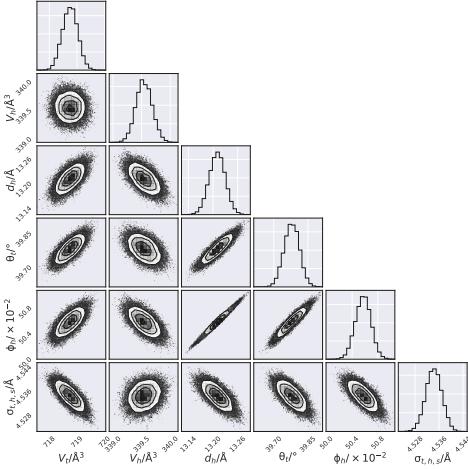


Figure 8: The multi-parameter PDFs for the chemically-relevant model of DMPC X-ray reflectometry data at 40 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

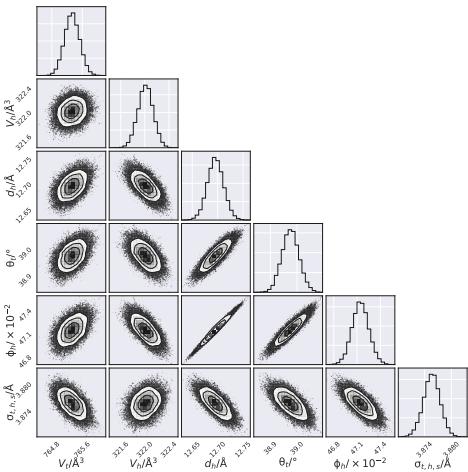


Figure 9: The multi-parameter PDFs for the chemically-relevant model of DPPC X-ray reflectometry data at 15 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

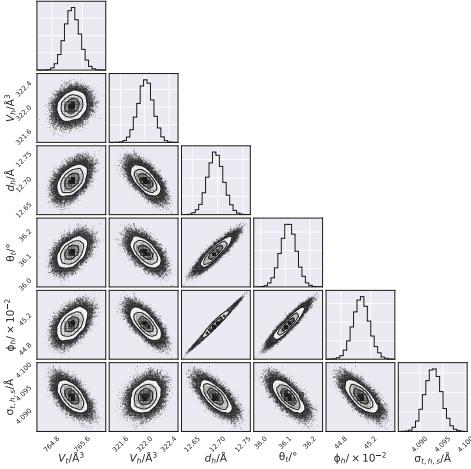


Figure 10: The multi-parameter PDFs for the chemically-relevant model of DPPC X-ray reflectometry data at 20 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

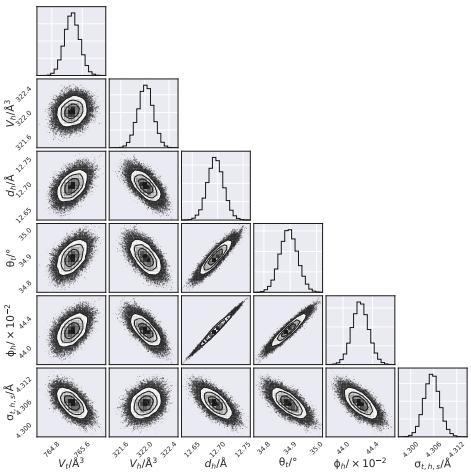


Figure 11: The multi-parameter PDFs for the chemically-relevant model of DPPC X-ray reflectometry data at 25 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

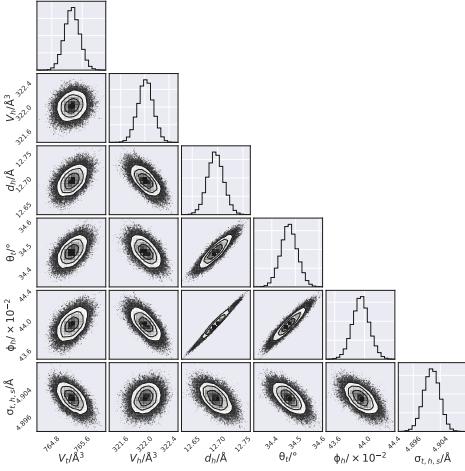


Figure 12: The multi-parameter PDFs for the chemically-relevant model of DPPC X-ray reflectometry data at 30 mNm⁻¹. Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

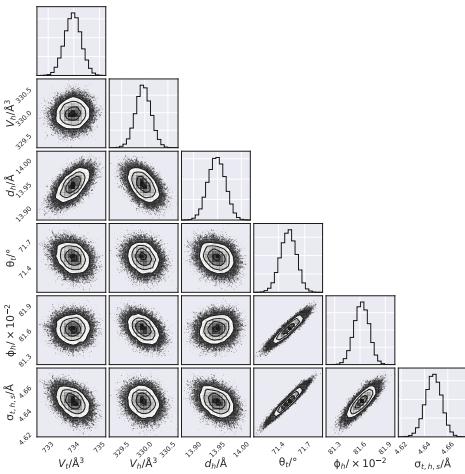


Figure 13: The multi-parameter PDFs for the chemically-relevant model of DMPG X-ray reflectometry data at 15 mNm⁻¹. Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

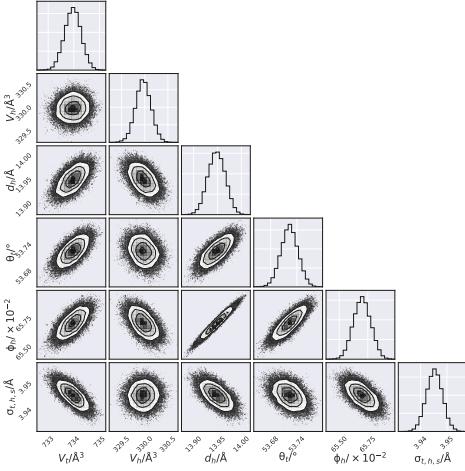


Figure 14: The multi-parameter PDFs for the chemically-relevant model of DMPG X-ray reflectometry data at 20 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

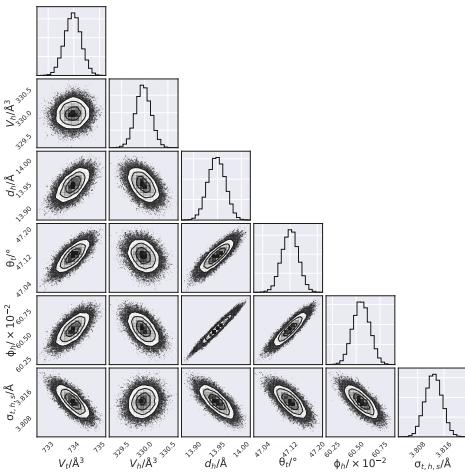


Figure 15: The multi-parameter PDFs for the chemically-relevant model of DMPG X-ray reflectometry data at 25 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

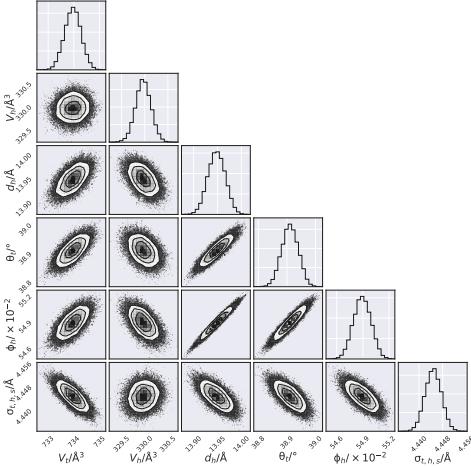


Figure 16: The multi-parameter PDFs for the chemically-relevant model of DMPG X-ray reflectometry data at 30 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

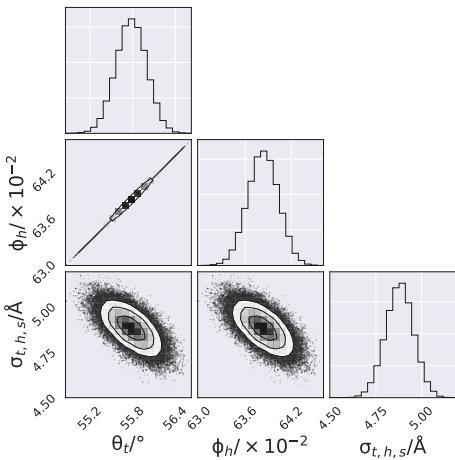


Figure 17: The multi-parameter PDFs for the chemically-relevant model of two contrast DMPC neutron reflectometry data at 20 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

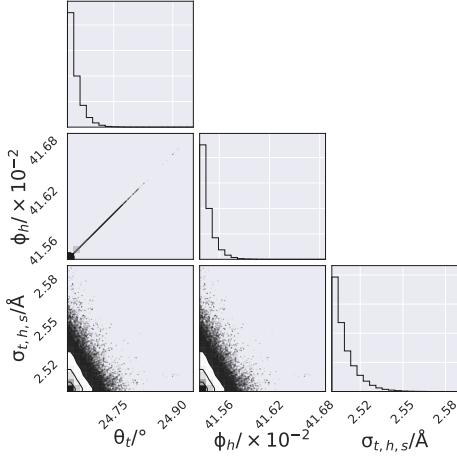


Figure 18: The multi-parameter PDFs for the chemically-relevant model of two contrast DMPC neutron reflectometry data at 25 mNm⁻¹. Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

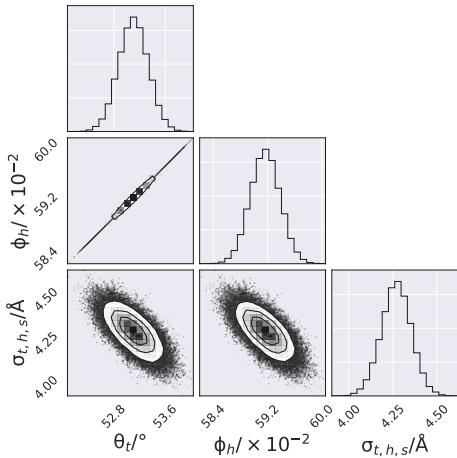


Figure 19: The multi-parameter PDFs for the chemically-relevant model of two contrast DPPC neutron reflectometry data at 15 mNm⁻¹. Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹

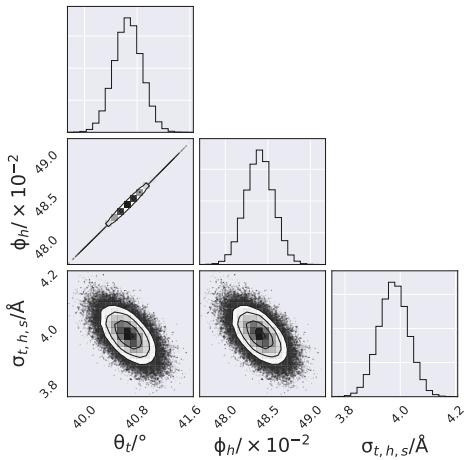


Figure 20: The multi-parameter PDFs for the chemically-relevant model of two contrast DMPC neutron reflectometry data at 20 mNm^{-1} . Source: Datasets, figure files and running/plotting scripts are available under CC-BY.¹