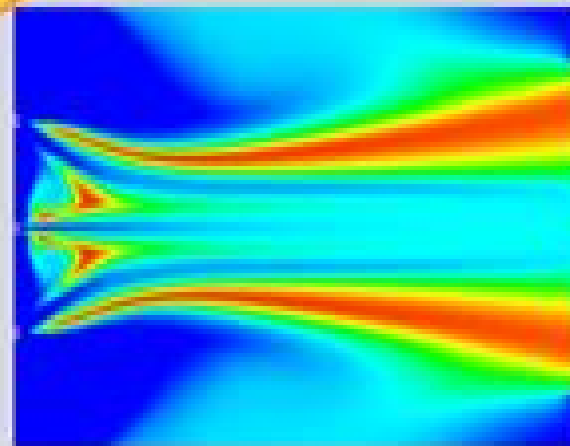
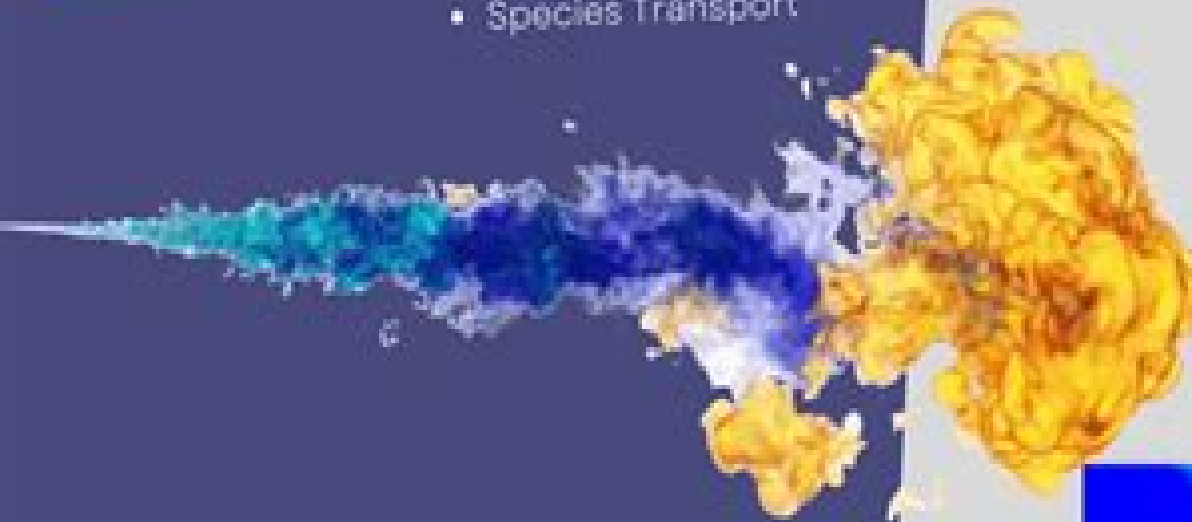


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Numerische Untersuchungen zur Mischgüte beim Rühren von viskoplastischen Fluiden Michael Ehrentraut, 2016-06-15 Michael Ehrentraut zeigt die Gültigkeit von stationären numerischen Strömungssimulationen CFD von viskoplastischen Fluiden in einem Laborsystem anhand experimenteller Daten Die eingesetzte Simulationsmethodik ermöglicht eine erheblich schnellere Berechnung im Vergleich zu transienten Ausbreitungsrechnungen für die Durchmischung

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Statistical Atlases and Computational Models of the Heart. M&Ms and EMIDEC Challenges Esther Puyol Anton, Mihaela Pop, Maxime Sermesant, Victor Campello, Alain Lalande, Karim Lekadir, Avan Suinesiaputra, Oscar Camara, Alistair Young, 2021-01-28 This book constitutes the proceedings of the 11th International Workshop on Statistical Atlases and Computational Models of the Heart STACOM 2020 as well as two challenges M Ms The Multi Centre Multi Vendor Multi Disease Segmentation Challenge and EMIDEC Automatic Evaluation of Myocardial Infarction from Delayed Enhancement Cardiac MRI Challenge The 43 full papers included in this volume were carefully reviewed and selected from 70 submissions They deal with cardiac imaging and image processing machine learning applied to cardiac imaging and image analysis atlas construction artificial intelligence statistical modelling of cardiac function across different patient populations cardiac computational physiology model customization atlas based functional analysis ontological schemata for data and results integrated functional and structural analyses as well as the pre clinical and clinical applicability of these methods

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