

Technological advancements are faster than ever and on the frontier are applications and mechanisms entwined with 3D computer aided modelling, such as 3D printing, scanning and extended reality technologies. This work gives a peek behind the veil of mystery surrounding these technologies. We aim to give a brief look into each of the mentioned areas and let the reader experience them practically, mathematically and algorithmically in hope to bring these three so often separated views closer together and to the reader.