

Amoebas, co-amoebas and extremal properties of real plane algebraic curves

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There are two particular sets that can be associated to an algebraic variety V in CP^n : its AMOEBA, or the image of V in R^n under the map taking the logarithm of the norms of the coordinates, and its CO-AMOEBA, or the image of V in the argument torus $(S^1)^n$. The talk will be focused on inter-relations among amoebas, co-amoebas and topological arrangement of the real part in the case $n = 2$.