Circle actions on almost complex manifolds with isolated fixed points

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During this talk, we discuss circle actions on compact almost complex manifolds with isolated fixed points. Let the circle act on a compact almost complex manifold with isolated fixed points. At each fixed point p, there are integers called weights, which describe the action near p. We discuss properties that the weights satisfy. In particular, there exists a multigraph that encodes weights at the fixed points; such a multigraph can be used to study the manifold. Next, we discuss circle actions on almost complex manifolds with few fixed points and related questions.