Relative genus bounds in indefinite 4-manifolds Tuesday, December 1, 2020 10:18 AM

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Kronhemer-Mrowka: $S^{\#}(K) \leq 2g(\Sigma)$ if $\Sigma \sim htpic to an inclusion in <math>\partial X^{2} = S^{2}$ Khoranor homolyz (M-Manengon-Sankar-Wills 2019): $X = \#^{\circ} \mathbb{CP}^{2}, \quad [\Sigma] = 0 \implies S(K) \leq 2g(\Sigma).$ (2) <u>Topological usults</u>: OK for locally flat Σ in top. 4-mflds Thm. 1 (Kirby?) [Σ) - characteustic

$$\begin{split} \lim_{k \to \infty} \left[\frac{|k|_{k}^{k} - 1}{k!} + \frac{k!_{k}(k)}{k!} + \frac{k!_{k}($$