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Conc. Of Na₂S₂O₈ stock solution/M 0.04
 Conc. Of KI stock solution/M 0.0005
 Conc. Of Na₂S₂O₃ stock solution/M 0.001
 Conc of stock CuSO₄ solution /M 0.01
 Conc. Of stock FeSO₄ solution /M 0.01
 # of drops to make 1 cm³ 20
 Therefore volume of 1 drop 0.05
 Therefore total volume of equilibrium mixture 22.5
 Therefore initial conc. Of S₂O₈²⁻ /M 1.78E-02
 Therefore initial conc. Of I⁻ /M 2.22E-04
 Therefore initial conc. Of S₂O₃²⁻ /M 4.44E-05

System number	Number of drops of catalyst soln.	Number of drops of water	Volume of catalyst soln. added /cm ³	Conc. of Fe ²⁺ or Cu ²⁺ in mixture /M	Darkening time for Cu ²⁺ /s	Darkening time for Fe ²⁺ /s	Initial Rate with Cu ²⁺ /Ms ⁻¹	Initial Rate with Fe ²⁺ /Ms ⁻¹
1	0	10	0	0.00E+00	223	223	9.96512E-08	9.96512E-08
2	1	9	0.05	2.22E-05	102	182	2.17865E-07	1.221E-07
3	2	8	0.1	4.44E-05	61	139	3.64299E-07	1.59872E-07
4	5	5	0.25	1.11E-04	22	124	1.0101E-06	1.79211E-07
5	10	0	0.5	2.22E-04	13	91	1.7094E-06	2.442E-07

