Table 1: Weighted K3 surfaces in codimension 3

Nb.	**Weighted K3 surface**	**Resolution Data**
1	$X(2,2,2) \subset \mathbb{P}(1,1,1,1,1,1)$	8
2	$X(2,3,3,3,3) \subset \mathbb{P}(1,1,1,1,1,2)$	$6 + \frac{1}{2}$
3	$X(3,3,4,4,4) \subset \mathbb{P}(1,1,1,1,2,3)$	$4 + \frac{2}{3}$
4	$X(3,3,3,3,4) \subset \mathbb{P}(1,1,1,1,2,2)$	$4 + 2 \times \frac{1}{2}$
5	$X(3,3,4,4,4) \subset \mathbb{P}(1,1,1,2,2,2)$	$2 + 3 \times \frac{1}{2}$
6	$X(4,4,5,5,6) \subset \mathbb{P}(1,1,1,2,3,4)$	$2 + \frac{3}{4}$
7	$X(3,4,4,4,5) \subset \mathbb{P}(1,1,1,2,2,3)$	$2 + \frac{1}{2} + \frac{2}{3}$
8	$X(4,4,4,4,4) \subset \mathbb{P}(1,1,2,2,2,2)$	$0 + 5 \times \frac{1}{2}$
9	$X(6,7,8,9,10) \subset \mathbb{P}(1,1,3,4,5,6)$	$0 + \frac{5}{6}$
10	$X(4,4,4,5,5) \subset \mathbb{P}(1,1,2,2,2,3)$	$0 + 3 \times \frac{1}{2} + \frac{2}{3}$
11	$X(4,4,5,5,6) \subset \mathbb{P}(1,1,2,2,3,3)$	$0 + \frac{1}{2} + 2 \times \frac{2}{3}$
12	$X(4,5,6,6,7) \subset \mathbb{P}(1,1,2,2,3,5)$	$0 + \frac{1}{2} + \frac{2 \cdot 3}{5}$
13	$X(4,5,5,6,6) \subset \mathbb{P}(1,1,2,2,3,4)$	$0 + 2 \times \frac{1}{2} + \frac{3}{4}$
14	$X(5,6,6,7,8) \subset \mathbb{P}(1,1,2,3,4,5)$	$0 + \frac{1}{2} + \frac{4}{5}$
15	$X(4,5,6,6,7) \subset \mathbb{P}(1,1,2,3,3,4)$	$0 + \frac{2}{3} + \frac{3}{4}$
16	$X(4,5,5,6,6) \subset \mathbb{P}(1,2,2,2,3,3)$	$-2 + 5 \times \frac{1}{2} + \frac{2}{3}$
17	$X(6,6,7,7,8) \subset \mathbb{P}(1,2,2,3,4,5)$	$-2 + 4 \times \frac{1}{2} + \frac{4}{5}$
18	$X(5,5,6,6,6) \subset \mathbb{P}(1,2,2,3,3,3)$	$-2 + 2 \times \frac{1}{2} + 3 \times \frac{2}{3}$
19	$X(6,7,8,9,10) \subset \mathbb{P}(1,2,2,3,5,7)$	$-2 + 2 \times \frac{1}{2} + \frac{3 \cdot 4}{7}$
20	$X(8,9,10,11,12) \subset \mathbb{P}(1,2,4,5,6,7)$	$-2 + 3 \times \frac{1}{2} + \frac{6}{7}$
21	$X(6,6,6,7,7) \subset \mathbb{P}(1,2,3,3,3,4)$	$-2 + 3 \times \frac{2}{3} + \frac{3}{4}$
22	$X(6,8,9,10,11) \subset \mathbb{P}(1,2,3,3,5,8)$	$-2 + \frac{2}{3} + \frac{3 \cdot 5}{8}$
23	$X(6,8,9,10,11) \subset \mathbb{P}(1,2,3,4,5,7)$	$-2 + \frac{3}{4} + \frac{3 \cdot 4}{7}$

continued on next page

Table 1: Weighted K3 surfaces in codimension 3

Nb.	Weighted K3 surface			Resolution Data
24	$X(10,11,12,13,14)$	$\subset$	$\mathbb{P}(1,3,5,6,7,8)$	$-2 \quad + \quad 2\times\frac{2}{3}+\frac{7}{8}$
25	$X(8,9,9,10,10)$	$\subset$	$\mathbb{P}(1,3,4,4,5,6)$	$-2 \quad + \quad 2\times\frac{3}{4}+\frac{5}{6}$
26	$X(8,8,9,9,10)$	$\subset$	$\mathbb{P}(1,3,4,4,5,5)$	$-2 \quad + \quad \frac{3}{4}+2\times\frac{4}{5}$
27	$X(14,15,16,17,18)$	$\subset$	$\mathbb{P}(1,5,7,8,9,10)$	$-2 \quad + \quad \frac{2\cdot3}{5}+\frac{9}{10}$
28	$X(8,9,10,12,13)$	$\subset$	$\mathbb{P}(1,3,4,4,5,9)$	$-2 \quad + \quad \frac{3}{4}+\frac{2\cdot7}{9}$
29	$X(8,9,10,12,13)$	$\subset$	$\mathbb{P}(1,3,4,5,6,7)$	$-2 \quad + \quad \frac{5}{6}+\frac{2\cdot5}{7}$
30	$X(16,17,18,19,20)$	$\subset$	$\mathbb{P}(1,6,8,9,10,11)$	$-2 \quad + \quad \frac{1}{2}+\frac{2}{3}+\frac{10}{11}$
31	$X(12,13,14,15,16)$	$\subset$	$\mathbb{P}(1,4,6,7,8,9)$	$-2 \quad + \quad \frac{1}{2}+\frac{3}{4}+\frac{8}{9}$
32	$X(11,12,12,13,14)$	$\subset$	$\mathbb{P}(1,4,5,6,7,8)$	$-2 \quad + \quad \frac{1}{2}+\frac{4}{5}+\frac{7}{8}$
33	$X(10,11,12,12,13)$	$\subset$	$\mathbb{P}(1,4,5,6,6,7)$	$-2 \quad + \quad \frac{1}{2}+\frac{5}{6}+\frac{6}{7}$
34	$X(9,10,10,11,12)$	$\subset$	$\mathbb{P}(1,3,4,5,6,7)$	$-2 \quad + \quad \frac{2}{3}+\frac{3}{4}+\frac{6}{7}$
35	$X(8,9,10,10,11)$	$\subset$	$\mathbb{P}(1,3,4,5,5,6)$	$-2 \quad + \quad \frac{2}{3}+\frac{4}{5}+\frac{5}{6}$
36	$X(6,6,7,7,8)$	$\subset$	$\mathbb{P}(1,2,3,3,4,4)$	$-2 \quad + \quad \frac{1}{2}+\frac{2}{3}+2\times\frac{3}{4}$
37	$X(6,7,7,8,8)$	$\subset$	$\mathbb{P}(1,2,3,3,4,5)$	$-2 \quad + \quad \frac{1}{2}+2\times\frac{2}{3}+\frac{4}{5}$
38	$X(7,8,8,9,10)$	$\subset$	$\mathbb{P}(1,2,3,4,5,6)$	$-2 \quad + \quad 2\times\frac{1}{2}+\frac{2}{3}+\frac{5}{6}$
39	$X(6,7,8,8,9)$	$\subset$	$\mathbb{P}(1,2,3,4,4,5)$	$-2 \quad + \quad 2\times\frac{1}{2}+\frac{3}{4}+\frac{4}{5}$
40	$X(6,7,8,9,10)$	$\subset$	$\mathbb{P}(1,2,3,4,5,5)$	$-2 \quad + \quad \frac{1}{2}+\frac{4}{5}+\frac{2\cdot3}{5}$
41	$X(6,6,7,8,9)$	$\subset$	$\mathbb{P}(1,2,3,3,4,5)$	$-2 \quad + \quad \frac{2}{3}+\frac{3}{4}+\frac{2\cdot3}{5}$
42	$X(6,7,8,9,10)$	$\subset$	$\mathbb{P}(1,2,3,3,4,7)$	$-2 \quad + \quad \frac{1}{2}+\frac{2}{3}+\frac{2\cdot5}{7}$
43	$X(5,6,6,6,7)$	$\subset$	$\mathbb{P}(1,2,2,3,3,4)$	$-2 \quad + \quad 3\times\frac{1}{2}+\frac{2}{3}+\frac{3}{4}$
44	$X(5,6,6,7,8)$	$\subset$	$\mathbb{P}(1,2,2,3,3,5)$	$-2 \quad + \quad 2\times\frac{1}{2}+\frac{2}{3}+\frac{2\cdot3}{5}$
45	$X(10,12,13,14,15)$	$\subset$	$\mathbb{P}(3,3,4,5,7,10)$	$-4 \quad + \quad 3\times\frac{2}{3}+\frac{3\cdot7}{10}$
46	$X(12,14,15,16,19)$	$\subset$	$\mathbb{P}(3,4,5,7,8,11)$	$-4 \quad + \quad \frac{3\cdot5}{8}+\frac{3\cdot8}{11}$

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Table 1: Weighted K3 surfaces in codimension 3

Nb.	Weighted K3 surface			Resolution Data
47	$X(10,12,14,15,17)$	$\subset$	$\mathbb{P}(2,3,5,7,8,9)$	$-4 + \frac{3\cdot5}{8} + \frac{4\cdot5}{9}$
48	$X(10,12,14,15,17)$	$\subset$	$\mathbb{P}(2,3,5,5,7,12)$	$-4 + \frac{2\cdot3}{5} + \frac{5\cdot7}{12}$
49	$X(9,10,11,12,14)$	$\subset$	$\mathbb{P}(2,2,3,5,7,9)$	$-4 + 4\times\frac{1}{2} + \frac{4\cdot5}{9}$
50	$X(6,7,8,8,9)$	$\subset$	$\mathbb{P}(2,2,3,3,4,5)$	$-4 + 5\times\frac{1}{2} + \frac{2}{3} + \frac{2\cdot3}{5}$
51	$X(14,15,16,17,18)$	$\subset$	$\mathbb{P}(2,5,6,7,9,11)$	$-4 + \frac{1}{2} + \frac{5}{6} + \frac{5\cdot6}{11}$
52	$X(9,10,11,12,14)$	$\subset$	$\mathbb{P}(2,3,4,5,7,7)$	$-4 + 2\times\frac{1}{2} + \frac{3\cdot4}{7} + \frac{2\cdot5}{7}$
53	$X(12,13,14,15,16)$	$\subset$	$\mathbb{P}(2,5,6,7,7,8)$	$-4 + 3\times\frac{1}{2} + \frac{6}{7} + \frac{3\cdot4}{7}$
54	$X(8,9,10,11,12)$	$\subset$	$\mathbb{P}(2,3,3,4,5,8)$	$-4 + 2\times\frac{1}{2} + 2\times\frac{2}{3} + \frac{3\cdot5}{8}$
55	$X(8,9,10,10,11)$	$\subset$	$\mathbb{P}(2,3,3,4,5,7)$	$-4 + \frac{1}{2} + 3\times\frac{2}{3} + \frac{3\cdot4}{7}$
56	$X(8,9,9,10,10)$	$\subset$	$\mathbb{P}(2,3,4,4,5,5)$	$-4 + 3\times\frac{1}{2} + 2\times\frac{3}{4} + \frac{2\cdot3}{5}$
57	$X(8,8,9,9,10)$	$\subset$	$\mathbb{P}(2,3,3,4,5,5)$	$-4 + \frac{1}{2} + 2\times\frac{2}{3} + 2\times\frac{2\cdot3}{5}$
58	$X(8,9,10,11,12)$	$\subset$	$\mathbb{P}(2,3,4,4,5,7)$	$-4 + 4\times\frac{1}{2} + \frac{3}{4} + \frac{2\cdot5}{7}$
59	$X(7,8,8,9,10)$	$\subset$	$\mathbb{P}(2,3,3,4,4,5)$	$-4 + 3\times\frac{1}{2} + 3\times\frac{2}{3} + \frac{3}{4}$
60	$X(14,15,16,17,18)$	$\subset$	$\mathbb{P}(3,5,6,7,8,11)$	$-4 + \frac{2}{3} + \frac{5}{6} + \frac{4\cdot7}{11}$
61	$X(14,15,16,17,18)$	$\subset$	$\mathbb{P}(5,5,6,7,8,9)$	$-4 + \frac{4}{5} + 2\times\frac{2\cdot3}{5} + \frac{5}{6}$
62	$X(12,13,14,15,16)$	$\subset$	$\mathbb{P}(4,4,5,6,7,9)$	$-4 + 2\times\frac{1}{2} + 2\times\frac{3}{4} + \frac{2\cdot7}{9}$
63	$X(12,13,14,15,16)$	$\subset$	$\mathbb{P}(3,4,5,6,7,10)$	$-4 + \frac{1}{2} + \frac{2}{3} + \frac{4}{5} + \frac{3\cdot7}{10}$
64	$X(10,11,12,13,14)$	$\subset$	$\mathbb{P}(3,4,5,5,6,7)$	$-4 + 2\times\frac{2}{3} + \frac{3}{4} + \frac{4}{5} + \frac{2\cdot3}{5}$
65	$X(12,13,14,15,16)$	$\subset$	$\mathbb{P}(4,5,5,6,7,8)$	$-4 + \frac{1}{2} + \frac{3}{4} + 2\times\frac{4}{5} + \frac{2\cdot3}{5}$
66	$X(10,11,12,12,13)$	$\subset$	$\mathbb{P}(3,4,4,5,6,7)$	$-4 + \frac{1}{2} + \frac{2}{3} + 2\times\frac{3}{4} + \frac{2\cdot5}{7}$
67	$X(10,11,12,13,14)$	$\subset$	$\mathbb{P}(2,3,4,5,7,9)$	$-4 + \frac{1}{2} + \frac{2}{3} + \frac{3}{4} + \frac{4\cdot5}{9}$
68	$X(9,10,10,11,12)$	$\subset$	$\mathbb{P}(2,3,4,5,5,7)$	$-4 + \frac{1}{2} + \frac{3}{4} + \frac{2\cdot3}{5} + \frac{3\cdot4}{7}$
69	$X(8,9,10,11,12)$	$\subset$	$\mathbb{P}(2,3,4,5,5,6)$	$-4 + 3\times\frac{1}{2} + \frac{2}{3} + \frac{4}{5} + \frac{2\cdot3}{5}$

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Table 1: Weighted K3 surfaces in codimension 3

Nb.	**Weighted K3 surface**	**Resolution Data**
70	$X(16,17,18,19,20) \quad \subset \quad \mathbb{P}(5,6,7,8,9,10)$	$-4 \quad + \quad \frac{1}{2}+\frac{2}{3}+\frac{4}{5}+\frac{2\cdot 3}{5}+\frac{6}{7}$