

Sich verschlechternder Parameter (ABER)

Sich verbessernder Parameter (DANN)

Die klassische Altschullersche Widerspruchstabelle

40 Innovationsprinzipien

	Gewicht eines bewegten Objektes	Gewicht eines stationären Objektes	Länge eines bewegten Objektes	Länge eines stationären Objektes	Fläche eines bewegten Objektes	Fläche eines stationären Objektes	Volumen eines bewegten Objektes	Volumen eines stationären Objektes	Geschwindigkeit	Kraft, Intensität	Druck, Spannung	Form	Stabilität eines Objektes	Festigkeit, Stärke	Halbbarkeit eines bewegten Objektes	Halbbarkeit eines stationären Objektes	Temperatur	Helligkeit	Energiekonsum eines bewegten Objektes	Energiekonsum eines stationären Objektes	Leistung	Energieverlust	Materialverlust	Informationsverlust	Zeitverlust	Materialmenge	Zuverlässigkeit	Messgenauigkeit	Fertigungsgenauigkeit	Äussere negative Einflüsse auf Objekt	Negative Nebeneffekte des Objektes	Fertigungsfreundlichkeit	Benutzungsfreundlichkeit	Reparaturfreundlichkeit	Anpassungsfähigkeit	Komplexität der Struktur	Detektions- und Messschwierigkeit	Automatisierungsgrad	Produktivität		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		
1	Gewicht eines bewegten Objektes		15, 8, 29, 34		29, 17, 38, 34		29, 2, 40, 28		2, 8, 15, 38	8, 10, 18, 37	10, 36, 37, 40	10, 14, 35, 40	1, 35, 19, 39	28, 27, 18, 40	5, 34, 31, 35		6, 29, 4, 38	19, 1, 32	35, 12, 34, 31		12, 36, 18, 31	6, 2, 34, 19	5, 35, 3, 31	10, 24, 35	10, 35, 20, 28	3, 26, 18, 31	1, 3, 11, 27	28, 27, 35, 26	28, 35, 26, 18	22, 21, 18, 27	22, 35, 31, 39	27, 28, 1, 36	35, 3, 2, 24	2, 27, 28, 11	29, 5, 15, 8	26, 30, 36, 34	28, 29, 26, 32	26, 35, 18, 19	35, 3, 24, 37		
2	Gewicht eines stationären Objektes			10, 1, 29, 35			5, 35, 14, 2		8, 10, 19, 35							2, 27, 19, 6	28, 19, 32, 22	19, 32, 35		18, 19, 28, 1	15, 19, 18, 22	5, 8, 13, 30	10, 15, 35	10, 20, 35, 26	19, 6, 18, 26	10, 28, 8, 3	18, 26, 28	10, 1, 35, 17	2, 27, 1, 39	35, 22, 1, 39	28, 1, 9	6, 13, 1, 32	2, 27, 28, 11	19, 15, 29	1, 10, 26, 39	25, 28, 17, 15	2, 26, 35, 15, 35				
3	Länge eines bewegten Objektes				15, 17, 4				13, 4, 8	17, 10, 4	1, 8, 35						10, 15, 19	32	8, 35, 24		1, 35	7, 2, 35, 39	4, 29, 23, 10	1, 24	15, 2, 29	29, 35	10, 14, 29, 40	28, 32, 4	10, 28, 29, 37	1, 15, 17, 24	17, 15	1, 29, 17	15, 29, 35, 4	1, 28, 10	14, 15, 1, 16	1, 19, 35, 1	17, 24, 26, 16	14, 4, 28, 29			
4	Länge eines stationären Objektes		35, 28, 40, 29			17, 7, 10, 40					28, 10	1, 14, 35	13, 14, 15, 7	39, 37, 15, 14		1, 10, 35	3, 35, 38, 18	3, 25			12, 8	6, 28	10, 28, 24, 35	24, 26	30, 29, 14	15, 29, 28	32, 28, 3	2, 32, 10	1, 18	15, 17, 27	2, 25	3	1, 35	1, 26	26		30, 14, 7, 26				
5	Fläche eines bewegten Objektes		2, 17, 29, 4		14, 15, 18, 4		7, 14, 17, 4		29, 30, 4, 34	19, 30, 35, 2	10, 15, 36, 28	5, 34, 29, 4	11, 2, 13, 39	3, 15, 40, 14	6, 3		2, 15, 16	15, 32	19, 32		19, 10	15, 17, 30, 26	10, 35, 2, 39	30, 26	26, 4	29, 30, 6, 13	29, 9	26, 28, 32, 3	2, 32	22, 33, 28, 1	18, 39	13, 1, 26, 24	15, 17, 10, 1	15, 13, 10, 1	15, 30	14, 1, 13	2, 36, 26, 18	14, 30, 28, 23	10, 26, 34, 2		
6	Fläche eines stationären Objektes		30, 2, 14, 18		26, 7, 9, 39					1, 18, 35, 36	10, 15, 36, 37		2, 38			2, 10, 19, 30	35, 39, 38			17, 32	17, 7, 30	10, 14, 18, 39	30, 16	10, 35, 4, 18	2, 18, 40, 4	32, 35, 32, 3	26, 28, 32, 3	2, 29, 18, 36	27, 2, 39, 5	22, 1, 40	40, 16	16	15, 16	1, 18, 36	2, 35, 30, 18	23	10, 15, 17, 7				
7	Volumen eines bewegten Objektes		2, 26, 29, 40		1, 7, 4, 35		1, 7, 4, 17		29, 4, 38, 34	15, 35, 36, 37	6, 35, 36, 37	1, 15, 29, 4	28, 10, 1, 39	9, 14, 15, 7	6, 35, 4		34, 39, 10, 18	2, 13, 10	35		35, 6, 13, 18	7, 15, 36, 39, 34, 10	2, 22	2, 6, 34, 10	29, 30, 7	14, 1, 40, 11	26, 28, 2, 16	22, 21, 27, 35	17, 2, 40, 1	29, 1, 40	15, 13, 30, 12	10	15, 29	26, 1	29, 26, 4	35, 34, 16, 24	10, 6, 2, 34				
8	Volumen eines stationären Objektes		35, 10, 19, 14		19, 14					2, 18, 37	24, 35, 7, 2, 35		34, 28, 35, 40	9, 14, 17, 15		35, 34, 38	35, 6, 4			30, 6					35, 16, 32, 18	35, 3, 16	35, 10, 25	34, 39, 19, 27	30, 18, 35, 4	35	1	15, 29	1, 31	2, 17, 26		35, 37, 10, 2					
9	Geschwindigkeit		2, 28, 13, 38		13, 14, 8		7, 29, 34			13, 28, 15, 19	6, 18, 38, 40	35, 15, 18, 34	28, 33, 1, 18	8, 3, 26, 14	3, 19, 35, 5		28, 30, 36, 2	10, 13, 19	8, 15, 35, 38		19, 35, 38, 2	14, 20, 19, 35	10, 13, 28, 38	13, 26	10, 19, 29, 38	11, 35, 27, 28	28, 32, 1, 24	32, 25	1, 28, 35, 23	2, 24, 35, 21	35, 13, 8, 1	32, 28, 13, 12	34, 2, 28, 27	15, 10, 26	10, 28, 4, 34	3, 34, 27, 16	10, 18				
10	Kraft, Intensität		8, 1, 37, 18	18, 13, 1, 28	17, 19, 9, 36	28, 10			13, 28, 15, 12		18, 21, 11	10, 35, 40, 34	35, 10, 21	35, 10, 14, 27	19, 2		35, 10, 21	19, 17, 10	16, 37		19, 35, 38, 2	14, 20, 19, 35	10, 13, 28, 38		10, 37, 36	14, 29, 18, 36	3, 35, 13, 21	35, 10, 28, 29, 37	1, 35, 13, 36, 24	15, 37, 18, 1	1, 28, 3, 15, 3	15, 11, 11	15, 17, 18, 20	26, 35, 16, 37	10, 18, 10, 19	2, 35	3, 28, 35, 37				
11	Druck, Spannung		10, 36, 37, 40		13, 29, 35, 10	35, 1, 14, 16	10, 15, 36, 28	6, 35, 10	35, 24	6, 35, 36	36, 35, 21		35, 4, 33, 33	9, 18, 3, 40	19, 3, 27		35, 39, 19, 2		14, 24, 10, 37		10, 35, 14	2, 36, 25	10, 36, 3, 37		37, 36, 4	10, 14, 36, 22	10, 13, 19, 35	6, 28, 25	3, 35	22, 2, 37	2, 33, 27, 18	1, 35, 16	11	2	35	19, 1, 35	2, 36, 37	35, 24	10, 14, 35, 37		
12	Form		8, 10, 29, 40		15, 10, 26, 3	29, 34, 5, 4	13, 14, 10, 7	5, 34, 4, 10		14, 4, 15, 22	34, 28, 34, 18	7, 2, 35	35, 15, 34, 18	35, 10, 37, 40	34, 15, 10, 14		22, 14, 19, 32	13, 15, 32	2, 6, 34, 14		4, 6, 2	14	35, 29, 3, 5		14, 10, 34, 17	36, 22	10, 40, 16	28, 32, 1	32, 30, 40	22, 1, 2, 35	35, 1	1, 32, 17, 28	32, 15, 26	2, 13, 1	1, 15, 29	16, 29, 1, 28	15, 13, 39	15, 1, 32	17, 26, 34, 10		
13	Stabilität eines Objektes		21, 35, 2, 39	26, 39, 1, 40	13, 15, 1, 28	37	2, 11, 13	39	28, 10, 19, 39	34, 28, 35, 40	33, 15, 28, 18	10, 35, 21, 16	2, 30, 18, 4	22, 1, 18, 4	17, 9, 15	13, 27, 10, 35	39, 3, 35, 23	35, 1, 32	32, 3, 27, 16	13, 19	27, 4, 29, 18	4, 6, 2	14	32, 35, 1, 15	32	19, 1, 26, 17	1, 19	35, 19, 32	3, 32	15, 19, 32, 39	35, 19, 32, 39	19, 35, 28, 26	28, 26, 19	15, 17, 13, 16	15, 1, 1, 19	6, 32, 13	32, 15	2, 26, 10, 2	2, 25, 16		
14	Festigkeit, Stärke		1, 8, 40, 15	40, 26, 27, 1	1, 15, 8, 35	15, 14, 28, 26	3, 4, 40, 29	9, 40, 28	10, 15, 14, 7	9, 14, 17, 15	8, 13, 26, 14	10, 18, 3, 14	10, 30, 35, 40	13, 17, 3, 10	27, 3, 26		30, 10, 40	35, 19	19, 35, 10	35		35, 28, 35	35	35, 28, 31, 40		29, 3, 29, 10	11, 3	3, 27, 16	3, 27	18, 35, 37, 1	15, 35, 27, 1	11, 3, 10, 32	25, 2	27, 11, 3	15, 3, 32	2, 13, 27, 3	27, 3, 25, 28	15, 40	15	29, 35, 10, 14	
15	Halbbarkeit eines bewegten Objektes		19, 5, 34, 31		2, 19, 9		3, 17, 19		10, 2, 19, 30	3, 35, 5	19, 2, 16		19, 3, 27	14, 26, 28, 25	13, 3, 35	27, 3, 10		19, 35, 39	2, 19, 4, 35	28, 6, 35, 18		19, 10, 35, 38	28, 27, 3, 18	10	20, 10, 3, 35	20, 10, 11, 2, 13	3	3, 27, 16, 40	22, 15, 21, 39, 16, 22	27, 1, 4	12, 27	29, 10, 27	1, 35, 13	10, 4, 19, 29, 15	19, 29, 39, 35	6, 10	35, 17, 14, 19				
16	Halbbarkeit eines stationären Objektes		6, 27, 19, 16		1, 40, 35				35, 34, 38				39, 3, 35, 23			19, 18, 36, 40				16					27, 16, 18, 38	10	28, 20, 10, 16	3, 35, 31	34, 27, 6, 40	10, 26, 24	17, 1, 40, 33	22	35, 10	1	2		25, 34, 6, 35	1	20, 10, 16, 38		
17	Temperatur		36, 22, 6, 38	22, 35, 32	15, 19, 9	15, 19, 9		3, 35, 39, 18	35, 38	34, 39, 40, 18	35, 6, 4	2, 28, 36, 30	35, 10, 3, 21	35, 39, 19, 2	14, 22, 19, 32	1, 35, 32	10, 30, 22, 40	19, 13, 39	19, 18, 36, 40		32, 30, 21, 16	19, 15, 3, 17		2, 14, 17, 12, 25	21, 17, 35, 38	3, 17, 30, 39	19, 35, 3, 10	32, 19, 24	24	22, 33, 35, 2	22, 35, 2, 24	26, 27	26, 27	4, 10, 16	2, 18, 27	2, 17, 16	3, 27, 35, 31	26, 2, 19, 16	15, 28, 35		
18	Helligkeit		19, 1, 32	2, 35, 32	19, 32, 16		2, 13, 10		10, 13, 19	26, 19, 6		32, 30	32, 3, 27	35, 19	2, 19, 6		32, 35, 19		32, 1, 19			32	13, 1	1, 6		19, 1, 26, 17	1, 19	15, 19, 32	3, 32	15, 19, 32, 39	35, 19, 32, 39	19, 35, 28, 26	28, 26, 19	15, 17, 13, 16	15, 1, 1, 19	6, 32, 13	32, 15	2, 26, 10, 2	2, 25, 16		
19	Energiekons. eines bewegten Objektes		12, 18, 28, 31		12, 28		15, 19, 25		35, 13, 18	8, 35	16, 26, 21, 2	23, 14, 25	12, 2, 29	19, 13, 17, 24	5, 19, 9, 35	28, 35, 6, 18		19, 24, 3, 14	2, 15, 19		6, 19, 37, 18	12, 22, 15, 24	35, 24, 18, 5	35, 38, 19, 18	34, 23, 16, 18	19, 21, 11, 27	3, 1, 32	1, 35, 6, 27	2, 35, 6	28, 26, 30	19, 35	1, 15, 17, 28	15, 17, 13, 16	2, 29, 27, 28	35, 38	32, 2	12, 28, 35				
20	Energiekonsum eines stat. Objektes		19, 9, 6, 27							36, 37			27, 4, 29, 18	35		19, 2, 35, 32									3, 35, 31	10, 36, 23	10, 2, 22, 37	19, 22, 18	1, 4							19, 35, 16, 25	1, 6				
21	Leistung		8, 36, 38, 31	19, 26, 17, 27	1, 10, 35, 37		19, 38	17, 32, 13, 38	35, 6, 38	30, 6, 25	15, 35, 2	26, 2, 36, 35	22, 10, 35	29, 14, 2, 40	26, 10, 18, 38	16	2, 14, 17, 25	16, 6, 19	16, 6						10, 35, 38	28, 27, 18, 38	10, 19	35, 20, 10, 6	4, 34, 19	19, 24, 31	32, 15, 2	32, 2	19, 22, 31, 2	2, 35, 18	26, 10, 34	26, 35, 10, 34	35, 2, 19, 17, 34	20, 19, 30, 34	19, 35, 16	28, 2, 17	28, 35, 34
22	Energieverlust		15, 6, 19, 28	19, 6, 18, 9	7, 2, 6, 13	6, 38, 7		15, 26,																																	