## Index of Symbols

### Set Theory

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>\langle x, y \rangle</td>
<td>ordered pair, n-tuple</td>
</tr>
<tr>
<td>{ x, y }</td>
<td>set</td>
</tr>
<tr>
<td>{ x \mid Px }</td>
<td>set of objects with specified property</td>
</tr>
<tr>
<td>\in</td>
<td>membership</td>
</tr>
<tr>
<td>\subseteq</td>
<td>subset</td>
</tr>
<tr>
<td>\subset</td>
<td>proper subset</td>
</tr>
<tr>
<td>\cap</td>
<td>intersection</td>
</tr>
<tr>
<td>\cup</td>
<td>union</td>
</tr>
<tr>
<td>\setminus</td>
<td>difference</td>
</tr>
<tr>
<td>\Delta</td>
<td>symmetrical difference [Section 4.2]</td>
</tr>
<tr>
<td>\emptyset</td>
<td>empty set</td>
</tr>
<tr>
<td>\mathcal{P}( )</td>
<td>power set</td>
</tr>
<tr>
<td>\times</td>
<td>Cartesian product</td>
</tr>
</tbody>
</table>

### Languages

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>\mathcal{L}</td>
<td>language (in general), language for states of affairs [Definitions 5.1 and 12.1]</td>
</tr>
<tr>
<td>\mathcal{L}_u</td>
<td>object language for exclusionary preferences [Definition 3.1]</td>
</tr>
<tr>
<td>\mathcal{L}_\mathcal{A}</td>
<td>language for states of affairs represented in \mathcal{A} [Definition 5.7]</td>
</tr>
<tr>
<td>\mathcal{L}_d</td>
<td>descriptive language [Definition 12.1]</td>
</tr>
<tr>
<td>\mathcal{L}_n</td>
<td>normative language [Definition 12.1]</td>
</tr>
<tr>
<td>\mathcal{L}_{DC}</td>
<td>variable-free fraction of descriptive language [Definition 12.1]</td>
</tr>
<tr>
<td>\mathcal{L}_{NC}</td>
<td>variable-free fraction of normative language [Definition 12.1]</td>
</tr>
<tr>
<td>\mathcal{L}_{DC}</td>
<td>set of declarative sentences [Definition 13.1]</td>
</tr>
<tr>
<td>\mathcal{I}_C</td>
<td>set of individual constants [Definition 12.1]</td>
</tr>
</tbody>
</table>
\( I_V \) set of individual variables [Definition 12.1]
\( s( ) \) set of substitution instances [Definition 3.3]
\( I( ) \) set of instantiations [Definition 12.2]
\[ \] placeholder [Section 13.1]

**LOGIC: CONSEQUENCE**

\( Cn \) consequence operator [Definitions 5.2 and 12.1]
\( Cn_0 \) truth-functional consequence operator [Definition 3.3]
\( Cn_T \) consequence operator determined by \( T \) [Definition 3.3]
\( \vdash \) consequence relation [Definition 5.2]
\( \neg \) negation of consequence relation
\( \models_A \) model-theoretical implication [Definition 5.8]
\( \not\models_A \) negation of model-theoretical implication
\( \equiv_A \) model-theoretical equivalence [Definition 5.8]

**LOGIC: CONNECTIVES, ETC.**

\( \neg \) negation [Definitions 3.1 and 5.1]
\( \lor \) disjunction [Definitions 3.1 and 5.1]
\( \& \) conjunction [Definitions 3.1 and 5.1]
\( \rightarrow \) implication [Definitions 3.1 and 5.1]
\( \leftrightarrow \) equivalence [Definitions 3.1 and 5.1]
\( \bot \) contradiction
\( T \) tautology
\( \square \rightarrow \) counterfactual conditional [Section 11.3]
\( \Rightarrow \) rule connective [Section 12.1]
\( / \) and if possible not [Definition 6.1]
\( /_A \) and if \( A \)-possible not [Definition 6.2]
\( \forall \) universal quantifier
\( \exists \) existential quantifier
\( \perp \) remainder set [Section 12.4]

**ALTERNATIVES**

\( A \) alternative set [Definitions 3.1 and 5.3]
\( I \) set of ideal alternatives [Definition 10.1]
\( repr_A( ) \) set of alternatives represented by a sentence [Definition 7.1]
\( U \) universe of alternatives [Definition 3.1]
\( \| \) reflexive domain [Definitions 3.5 and 3.7]
S  situation [Definition 12.4]
N  set of normative rules [Section 12.1]

PREference RELATIONS

≥  better than or equal to (exclusionary) [Section 2.2]
>  better than (exclusionary) [Section 2.2]
≡  equal to (exclusionary) [Section 2.2]
≥p  combative preference relation [Section 7.1]
≥p′  p-conditionalization of ≥p [Section 11.4]
≥f  f-extension of ≥ [Definition 6.5]
≥f  strict part of ≥f [Definition 6.9]
≥f  f-extension of > [Definition 6.9]
≡f  symmetric part of ≥f [Definition 6.10]
≡f  f-extension of ≡ [Definition 6.10]
≥w,v  weighted preference relation [Definition 7.3]
≥w  weighted preference relation (abbreviated notation) [Definition 7.3]
≥v  value-based preference relation [Definition 7.4]
≥x  maximin preference relation [Definition 7.17]
≥ix  interval maximin preference relation [Definition 7.18]
≥xi  interval maximax preference relation [Definition 7.20]
≥E  max-min weighted preference relation [Definition 7.22]
R  preference relation [Definition 3.8]
R  preference model [Definition 3.9]
*  repeated application, ancestral [Section 2.2]

MONADIC VALUE AND NORM PREDICATES

H  monadic predicate [Section 8.1]
H+  positive monadic predicate [Definition 8.5]
H−  negative monadic predicate [Definition 8.5]
G  good [Definition 8.9]
B  bad [Definition 8.9]
GC  canonical good [Definition 8.14]
BC  canonical bad [Definition 8.14]
GN  negation-related good [Definition 8.18]
BN  negation-related bad [Definition 8.18]
Gi  indifference-related good [Definition 8.22]
\begin{itemize}
  \item $B_1$ indifference-related bad [Definition 8.22]
  \item $O$ prescriptive predicate [Section 9.1]
  \item $O_C$ canonical contranegative predicate [Definition 10.50]
  \item $O_T$ maxiconsistent contranegative predicate [Definitions 10.54 and 11.2]
  \item $P$ permissive predicate [Section 9.1]
  \item $P^+$ predicate of absolute permission [Definition 10.47]
  \item $W$ prohibitive predicate [Section 9.1]
  \item $W^+$ predicate of absolute prohibition [Definition 10.47]
\end{itemize}

\textbf{Predicates of Agency}

\begin{itemize}
  \item $E_i$ action predicate [Section 13.1]
  \item $Dc$ declaration predicate [Definition 13.1]
\end{itemize}

\textbf{Operations of Change and Application}

\begin{itemize}
  \item $*$ revision [Section 12.4]
  \item $*_B$ revision (with priority-index) [Definition 4.3]
  \item $+_B$ contraction (with priority-index) [Definition 4.5]
  \item $\ominus$ subtraction [Definition 4.8]
  \item $\oplus$ addition [Definition 4.10]
  \item $a$ unrestrained application [Definition 12.6]
  \item $c$ consistent application [Definition 12.11]
  \item $\zeta$ obeyable application [Definition 12.16]
  \item $\otimes$ promulgation [Section 12.7]
  \item $\boxminus$ derogation [Section 12.8]
\end{itemize}

\textbf{Selection Mechanisms}

\begin{itemize}
  \item $\uparrow$ restriction [Definitions 3.2 and 3.7]
  \item $\downarrow$ exception [Definitions 3.2 and 3.7]
  \item $[\ ]$ set of validated sentences [Definition 3.8]
  \item $\mu$ measure [Definition 4.1]
  \item $\sqsubset$ ordering of pairs [Definition 4.1]
  \item $\sqsubset$ strict part of $\sqsubset$ [Definition 4.1]
  \item $S$ three-place similarity relation [Section 6.4]
  \item $T$ four-place similarity relation [Definition 6.12]
  \item $\hat{T}$ strict part of $T$ [Definition 6.12]
  \item $\max$ set of maximal alternatives [Definition 7.11]
\end{itemize}
<table>
<thead>
<tr>
<th>min</th>
<th>set of minimal alternatives [Definition 7.11]</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX</td>
<td>arbitrary maximal alternative [Definition 7.32; in Appendix]</td>
</tr>
<tr>
<td>MIN</td>
<td>arbitrary minimal alternative [Definition 7.32; in Appendix]</td>
</tr>
<tr>
<td>( w )</td>
<td>weight assignment [Definition 7.2]</td>
</tr>
<tr>
<td>( W )</td>
<td>combined weight [Definition 7.30; in Appendix]</td>
</tr>
<tr>
<td>( \delta )</td>
<td>max-min weight [Definition 7.22]</td>
</tr>
<tr>
<td>( v )</td>
<td>value assignment [Definition 7.2]</td>
</tr>
<tr>
<td>( v_{\text{MAX}} )</td>
<td>maximal value [Definition 7.21]</td>
</tr>
<tr>
<td>( v_{\text{MIN}} )</td>
<td>minimal value [Definition 7.21]</td>
</tr>
<tr>
<td>( v_{\delta} )</td>
<td>max-min weighted value [Definition 7.22]</td>
</tr>
<tr>
<td>( EU )</td>
<td>probability-weighted value [Definition 7.30; in Appendix]</td>
</tr>
<tr>
<td>( f )</td>
<td>representation function [Definition 6.4]</td>
</tr>
<tr>
<td>( \gamma )</td>
<td>selection function [Definition 12.9]</td>
</tr>
<tr>
<td>( \text{cons} )</td>
<td>set of maximal consistent applied subsets [Definition 12.10]</td>
</tr>
</tbody>
</table>
abrogation 205n
acceptability 24n
accessibility 140
accuracy 56
action 130n
symbolic 209–11
action operator 130n, 193n, 208, 214, 220
acyclicity 28–9, 32, 40, 86–7
Adams, R. M. 59
addition 45, 47, 55–6
agency operator see action operator
agency perspective 135–7
agglomeration 148–50, 160, 162–3, 166, 173n, 193
aggregation
deontic property 148n
in social choice 227
Alchourrón, Carlos 137n, 196–7n
Al-Jabbar, Abd 164
alternatives and alternative sets 24n,
34, 62, 81, 134–5, 140–1, 200, 202
change in 26–30, 45, 101, 176–7
compatible 67–70, 89
composite 29–30
contextually complete 64, 78
mutually exclusive 63–4, 134, 137
sentential 63
amendment 203
animals 216
antisymmetry 28, 40
application (of rule) 185–203
consistent 193–200
creative 197n
dominance-ordered 199–200
maxiconsistent 198, 200
maximal obeyable 202
obeyable 200–2
partial meet 197, 202
restrained 187, 193–202, 204
unrestrained 187–92
Åqvist, Lennart 118, 142
Arrow, Kenneth J. 227
atomic sentence 34, 75, 208, 210
bad 115–26, 164–5
canonical 121
indifference-related 124
negation-related 122
bad-ought connection 164–5, 168
bad-wrong connection 164–5
Becker’s law 141n
Befugnis 210
belief set 34
beneficiary 215
benefit theory 214
Bergström, Lars 136
best 115–16, 121
better 17
impersonal 18n
probably better 97
Brogan, Albert 118, 125
calibration
of preference relation 124
of weight assignment 98
cancellation, permissive 157–8, 160
canonical
bad 121
good 121
ought 164–5
potestative rules 212
capacity, legal 210
Carnap, R udolf 50n
<table>
<thead>
<tr>
<th>Term</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Castañeda, Hector</td>
<td>68, 90–1</td>
</tr>
<tr>
<td>cautiousness</td>
<td>104</td>
</tr>
<tr>
<td>exclusive</td>
<td>105</td>
</tr>
<tr>
<td>centring</td>
<td>72, 78, 80</td>
</tr>
<tr>
<td>weak</td>
<td>72, 84</td>
</tr>
<tr>
<td>change</td>
<td></td>
</tr>
<tr>
<td>decomposition of</td>
<td>43, 54</td>
</tr>
<tr>
<td>in alternative set</td>
<td>26–30, 45, 101, 176–7</td>
</tr>
<tr>
<td>models of</td>
<td>10–11</td>
</tr>
<tr>
<td>in normative code</td>
<td>203–7</td>
</tr>
<tr>
<td>in perspective</td>
<td>171</td>
</tr>
<tr>
<td>in preference</td>
<td>42–56</td>
</tr>
<tr>
<td>children</td>
<td>32n</td>
</tr>
<tr>
<td>Chisholm, Roderick</td>
<td>88, 90, 118, 124, 164–5</td>
</tr>
<tr>
<td>choice</td>
<td>25, 97n, 101n, 193</td>
</tr>
<tr>
<td>binary</td>
<td>30</td>
</tr>
<tr>
<td>hypothetical</td>
<td>21n, 22</td>
</tr>
<tr>
<td>positional</td>
<td>27, 54, 179</td>
</tr>
<tr>
<td>relation to preference</td>
<td>22n</td>
</tr>
<tr>
<td>secondary</td>
<td>95</td>
</tr>
<tr>
<td>see al socfree-choice permission and social choice</td>
<td></td>
</tr>
<tr>
<td>choice function</td>
<td>27, 28n</td>
</tr>
<tr>
<td>choice-guidance</td>
<td>23</td>
</tr>
<tr>
<td>claim</td>
<td>209</td>
</tr>
<tr>
<td>claimant</td>
<td>217, 221n</td>
</tr>
<tr>
<td>claims theory</td>
<td>214–5</td>
</tr>
<tr>
<td>closeness (of predicates)</td>
<td>122</td>
</tr>
<tr>
<td>closure</td>
<td></td>
</tr>
<tr>
<td>in application</td>
<td>190–1, 198</td>
</tr>
<tr>
<td>disjunctive</td>
<td>153–4, 160</td>
</tr>
<tr>
<td>postulate</td>
<td>50, 52, 54, 56</td>
</tr>
<tr>
<td>of preference set</td>
<td>37</td>
</tr>
<tr>
<td>of rules</td>
<td>192</td>
</tr>
<tr>
<td>of situation</td>
<td>188</td>
</tr>
<tr>
<td>under rule connective</td>
<td>184n</td>
</tr>
<tr>
<td>code</td>
<td></td>
</tr>
<tr>
<td>legal</td>
<td>11, 185, 199</td>
</tr>
<tr>
<td>moral</td>
<td>185</td>
</tr>
<tr>
<td>cognitive decision</td>
<td>136</td>
</tr>
<tr>
<td>cognitive limitations</td>
<td>59, 94</td>
</tr>
<tr>
<td>coherence</td>
<td>11n, 60</td>
</tr>
<tr>
<td>commutativity</td>
<td>56</td>
</tr>
<tr>
<td>compactness</td>
<td>36</td>
</tr>
<tr>
<td>comparability</td>
<td>24n, 25, see al socompleteness</td>
</tr>
<tr>
<td>completeness</td>
<td></td>
</tr>
<tr>
<td>comparative form</td>
<td>125n</td>
</tr>
<tr>
<td>comparison</td>
<td></td>
</tr>
<tr>
<td>reflexive</td>
<td>72</td>
</tr>
<tr>
<td>structures</td>
<td>18–19</td>
</tr>
<tr>
<td>comparison cost avoidance</td>
<td>18n, 23, see al socosts</td>
</tr>
<tr>
<td>completeness</td>
<td></td>
</tr>
<tr>
<td>contextual</td>
<td>64, 78</td>
</tr>
<tr>
<td>logical</td>
<td>6</td>
</tr>
<tr>
<td>negation-completeness</td>
<td>64</td>
</tr>
<tr>
<td>of preference relation</td>
<td>24, 28–9, 39–41, 84, 99, 122, 197</td>
</tr>
<tr>
<td>of similarity relation</td>
<td>77</td>
</tr>
<tr>
<td>complex, legal</td>
<td>215, 220</td>
</tr>
<tr>
<td>conditional</td>
<td>202n</td>
</tr>
<tr>
<td>checklist</td>
<td>131n</td>
</tr>
<tr>
<td>deontic</td>
<td>141</td>
</tr>
<tr>
<td>restrictive</td>
<td>177, 179–81</td>
</tr>
<tr>
<td>see al socounterfactual conditional</td>
<td></td>
</tr>
<tr>
<td>consensus</td>
<td>227</td>
</tr>
<tr>
<td>consequence operator</td>
<td>35, 61, 184, 200</td>
</tr>
<tr>
<td>consequence principle</td>
<td>141n</td>
</tr>
<tr>
<td>consequentialism</td>
<td>226</td>
</tr>
<tr>
<td>consistency</td>
<td></td>
</tr>
<tr>
<td>of alternatives</td>
<td>62–3</td>
</tr>
<tr>
<td>in application</td>
<td>198</td>
</tr>
<tr>
<td>declarative</td>
<td>213</td>
</tr>
<tr>
<td>deontic</td>
<td>159–60, 162–3, 165–7, 173–5, 193n</td>
</tr>
<tr>
<td>of logic</td>
<td>62</td>
</tr>
<tr>
<td>of values</td>
<td>17</td>
</tr>
<tr>
<td>constancy, criterial</td>
<td>16, 21, 120</td>
</tr>
<tr>
<td>contents, descriptive</td>
<td>214</td>
</tr>
<tr>
<td>contextual completeness</td>
<td>64, 78</td>
</tr>
<tr>
<td>contingency</td>
<td>158</td>
</tr>
<tr>
<td>deontic</td>
<td></td>
</tr>
<tr>
<td>contraction</td>
<td>44–5, 50–4, 206n</td>
</tr>
<tr>
<td>multiple</td>
<td>52, 55</td>
</tr>
<tr>
<td>pure</td>
<td>51</td>
</tr>
<tr>
<td>contradiction</td>
<td>68–70, 90, 119</td>
</tr>
<tr>
<td>contranegative predicate</td>
<td>144–69</td>
</tr>
<tr>
<td>contranegativity thesis</td>
<td>145–8, 164</td>
</tr>
<tr>
<td>contraposition</td>
<td>87–8, 107</td>
</tr>
<tr>
<td>cooperation</td>
<td>42</td>
</tr>
<tr>
<td>corpus</td>
<td>34</td>
</tr>
<tr>
<td>correlative right</td>
<td>218–20</td>
</tr>
<tr>
<td>costs</td>
<td></td>
</tr>
<tr>
<td>comparison</td>
<td>18n, 23, 24n, 25, 27–8</td>
</tr>
<tr>
<td>computational</td>
<td>23n</td>
</tr>
<tr>
<td>counterexample</td>
<td>9, 16, 146–7</td>
</tr>
</tbody>
</table>
counterfactual conditional 79n, 137, 170, 175–81
counter to duty 177, 181n
restrictive 177, 179–81
counterparty 220–1
Coval, S. C. 187
coverage, maximal 121
criterial constancy 16, 21, 120
criterion 16
cummutativity 54
Danielsson, Sven xiii, 119n
decision theory xi, 59
relation to preference logic 23n
declarant 210
declaration 209–10
decomposition of change 43, 54
deduction 36, 62
defeasibility see overriding
definition, legal 185n
deliberation 59n, 136
democracy 226
deo logic 8–9, 129–222
dyadic 180–1
situationist 137–69
standard 132, 139–43, 146n, 147–8, 155, 158–9, 162, 164, 166, 181
deoontology 226
derogation 203, 205–7
formal 205
material 205–6
detachment 188–9
deo tic 155–6, 160
disjunctive 191
simple 189
difference, symmetric 48
dilemma
deter rence 42, 46n
moral 173–5
disability 219
disjunctive division 152–3, 160
disjunctive interpolation 111, 168–9
distance 49, see al sosimilarity
distribution
conjunctive 91
disjunctive 108
division
disjunctive 152–3, 160
of duty 150
dominance 199
do operator see action operator
duty 4, 131, 219
empty 158
see al so deo logic
dyadic deo logic 180–1
economics xi, 24n, 42, 61n, 228
eligibility
strong 26–9, 41
weak 24–32, 40–1
empty set 119n
entailment 141n
equilibrium, reflect ive 11n, 17, 37, 135
equivalence
extensional 143
intensional 143
evaluator-relativity 136
event 135
exception 186–7
exclusivity, mutual 63, 64, 120, 134, 137
expansion 45, 53
conjunctive 89–90, 107
extension 71
extensionality 50n, see al so
intersubstitutivity
extensive form 10n
extremal pair 104
factoring
conjunctive 53
disjunctive 50
fairly good 125
Fishburn, Peter C. 95n
Fitch, Frederick 208, 219n
Foot, Philippa 174n
formalization 3–11, 225, 228
Fraassen, Bas C. van 173n
Frankena, W. K. 186
free-choice disjunction 142n
free-choice permission 10, 130–1
full meet 196
game theory 10n
Glaister, S. M. 46n
Goble, Lou 114n, 119
good 114–26, 132
canonical 121
indifference-related 124
of consequence operator 36, 61, 62
negation-related 122
of deontic predicate 140
Greenspan, P. S. 155n
Jackson, Frank 177
habituation 42
jurisprudence xi
Halldén, Sören 68, 70, 87, 89, 118
Kanger, Helle 219n
Hansson, Bengt 88, 181, 221n
Kanger, Stig 208, 214, 219
Harman, Gilbert 58
Kron, Aleksandar 69
Henkin extension 233
language
Henkin set 232
metalanguage 39
Hertzberger, H. G. 26n
object language 34, 39
Hohfeld, Wesley N. 5n, 208, 218–22
regimented language 5
Holism 59
see al solosentence
impedance 29
Len, R. 61
ignorance 95
Levi, Isaac 27n
ill-doing, permissive 165
Lewis, David 77, 181
immunity 219
liability 219
interdefinability 6
limitations, cognitive 59, 94
interpolation, disjunctive 111, 221n
interpolatability 39–41
intermediate 48
interrogation 29, 32, 89
interrogation 48
intuition 29, 32, 89
intuitionism 59
model, sentential 43
Irwin, Francis W. 119n
money 24n
iteration
money-pump 29
monotonicity (monotony) of consequence operator 36, 61–2 in application 192 of infeasibility 201–2
Moore, George 143 multiple operations contraction 52–5 revision 45n, 47 must 131–2, 174
necessitation 141, 151, 153, 158, 162, 164, 166, 173n reverse 151–2, 162, 164 strong 150, 160 strong reverse 160 necessity 221n negation 120 negation-completeness 64 negation-related good and bad 118 negative predicate 115, 117, 144 neutral value 118n, 119, 122, 124 Nickel, James 187 Nobel peace prize postulate 110 noncompliance problem 173 nonduplicity 120 nonemptiness 161–3 nonmonotonic inference 6 nonnegative response 102, 103, 211n nonnegativity, of weight assignment 98n no-right 219 normal form 211
obedience 38 obeyable predicate 167, 171, 174 obligation 4, 131 categorical 213–4, 216, 218, 220 claimable 214, 217–8 correlative 218 residual 175, 226 revocable 214, 217–8 see al sodeontic logic opportunity set 101n optimal 116n order (command) 209 order, ordering (relation) 32 dominance ordering 199 interval order 31n
possible world 59, 68n, 78, 81–2, 139–40, 162
potestas 210
power 210, 219
predicate
  action-guiding 170–2
  canonical deontic 164–5
  circumscriptive 116–17
  classificatory 15
  comparative 15
  continuous 117
  contranegative 144–69
  dyadic 15, 180–1
  fine-grained set of 145–6
  fuzzy 125n
  iteration of 140
  maxiconsistent 167–8
  maxiconsistent dyadic 180
  maximal obeyable 172, 174–5
  monadic 15, 114–26
  negation-comparing 117–18, 120
  negative 115, 117, 144
  nonempty 161–2
  nonobeyable 171
  normative 129
  obeyable 167, 171, 174
  permissive 129
  positive 115, 117, 144–69
  prescriptive 129, 144–5
  prohibitive 129
  restriction of 172, 174–5
  sentence-limited 161, 180
  strength (stringency) of 132, 134, 180
preference, preference relation
  absolute 81
  aesthetic 61
  aggregative 58
  agnostic 95–7, 100
  asynchronous 15n
  averaging 97n
  categorical 16n
  ceteris paribus 65–7, 75, 78, 89, 117, 227
  change in 42–56
  choice-guiding (decision-guiding) 20–23, 25, 32, 65, 70, 94–114, 117
  combinative 57–113
  consumer's 42
  cyclic 29–31
  decision-guiding see choice-guiding
determinate 33
  exclusionary 15–56
  expected utility 97n
  extremal 102–13
  extrinsic 15n
  holistic 58–9, 75n
  hypothetical 54–5
  indeterminate 33, 37n
  interval maximax 106, 123
  interval maximin 105, 123
  intrinsic 15n, 58
  maximal centred 82, 93
  maximax 105, 110–11, 151
  maximin 105, 110–11
  max-min weighted 107, 123
  other-regarding 15n
over subsets of alternative set 95n
  pairwise 20–3, 65–93
  procedural 227
  prognostic 95–7
  revealed 22
  self-regarding 15n
  similarity-maximizing 81, 93
  strict 17, 73–4
  synchronous 15n
  tout court 21n
  unconditional 75n
  value-based 98
  weak 19
  weighted 97–100
preference-based deontic logic 143–69
preference model 37–9, 71n
preference postulates 35
preference set 34
preference state 33–41, 71n
prima facie norms 226
priority index 47–8
privilege 219
probabilities 96–8
probably better 97
prohibition 134
projection 192n
promulgation 203–5
  formal 203
  material 204
property right 215
proxy 217
quantifier 184
quasitransitivity 41
Quinn, Warren 58, 90
Rabinowicz, Wlodek xiii, 19n, 49n, 61, 64, 82, 103, 133n, 172n
Ramsey, F. P. 29
rationality, bounded 59, see also cognitive limitations
reconstruction problem 221
recovery 53
subtractive 56
reducibility, of monadic value predicates 125
reductionism 43
reference point 82
reflexivity 22, 29, 36, 40, 55, 84
ancestral 121
relata 57n
relation
central legal 215–20
legal 208–22
subsidiary legal 216
representability 71
finite 163
representation 71, 95
relational 37–8
sentential 37–8, 43
representation condition 82
representation function 71–83
maximal centred 81
similarity-maximizing 77–8, 80
similarity-satisficing 79–80
residue, moral 175, 226
resoluteness 30n
resolution, pragmatic 174–5
restrictability 26–9
restriction (application) 198
retrievability 116n
revision 45–51
multiple 45n, 47
right 208, 214–22
correlative 218–20
right-holder 215
Rott, Hans xiii, 202n
rule connective 183, 191–2
rules 182–228
canonical potestative 212
deontic 137
normative 185
obligative 212
permissive 212
potestative 210–11, 222
Russell, Bertrand 7
Saito, Setsuo 90
Sartre, Jean Paul 173–4
Savage, L. J. 31–2
Schlechta, Karl 49n
SDL see standard deontic logic
Seinsollen see ideal ought
selection function 196–7
semantics, modal 140
semiorder 31n
Sen, Amartya 27, 28n
sensitivity 104–5
sentence
atomic 34, 75, 208, 210
declarative 210
descriptive 184
normative 184
separability, logical 191
should 131–2
similarity 48, 66, 75–7
focused 82–3
maximal 77, 79
sufficient 78–9
unfocused 82–3
similarity relation 76–7, 82
Simon, Herbert A. 59
simplicity 8, 228
Sinnott-Armstrong, Walter 148
situation 135, 188, 202n
Sloman, Aaron 135
Smith, J. C. 187
Sobel, Howard 21n, 23n, 66n
social choice xi, 227
Sosa, Ernest 88, 90, 118, 124, 165
speech act 209
Spohn, Wolfgang xiii, 58, 96
stability 116n, 192
standard deontic logic 132, 139–43,
146n, 147–8, 155, 158–9, 162, 164,
166, 181
state of affairs 61
contradictory 68–9
coextensive 72
Stocker, Michael 171
strength (stringency) 132, 134, 180
substitution see intersubstitutivity
subtraction 45, 54–5
success 47, 50, 53–4, 56
superstructural properties 87–93
supraclassicality 36, 62
symbolic action 209–11
symmetry
of representation function 72–4, 78, 80
of similarity relation 77
synoptic 16
Tarski, Alfred 6
tautology 119, 158, 168
Temkin, Larry 21n
terminology 4
Tichy, P. 76n
time 10, 183n
top-transitivity 25–6, 28–9, 32, 41
transitivity
of indifference 31, 40–1, 85
PI-transitivity 28–9, 41, 85–6
of preference 28–9, 32, 40, 85, 99, 107
quasitransitivity 41
of similarity relation 77
top-transitivity 25–6, 28–9, 32, 41
translation procedures 68–70, 72, 89–90
transmission
necessitation 141n
of properties 83–7
Trapp, Rainer 68n, 78
truth 6, 8, 6, 114, 192, 211
Tullock, G. 27
uncertainty 95
utilitarianism 5n, 58, 226
utility 32, 37n
expected 97n
vacuity 50, 53–4, 56
valuation function 62n
value
aesthetic 58, 61
intrinsic 58
value assignment 97
variety 42
verisimilitude 76n
very good 125
voting 227
weight assignment 98, 100–1
welcomeness 21n, 66n
Williamson, T. 77
Williams, Bernard 148, 174n, 175
Wolffheim, Richard 226
world
actual 82
ideal 139
possible 59, 68n, 78, 81–2, 139–40, 162
small 60n
worse 17
worst 115–16, 121
Wright, Georg Henrik von 68, 75–6, 78, 81, 87, 89, 91, 118, 119n, 139, 142, 156, 158
wrong 164–5