```
\{a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,r,s,t,u,v,w\#\}::Indices(position=independent).
\nabla{#}::Derivative.
\partial{#}::PartialDerivative.
Dx{#}::LaTeXForm{"{\Dx}"}. # LCB: This used to cause a bug, it kills ::KeepWeight for Dx
                            # LCB: But I'm not sure that this is still true.
                            # LCB: So just to be safe I'll leave all Cadabra sources unchanged.
                            # LCB: I can use this trick in this file because it doesn't use :: KeepWeight
import cdblib
# the metric
# metric in terms of R and \partial R
tmp = cdblib.get ('g_ab_3','metric.export') # cdb (metric3,tmp)
                                                # cdb (metric4,tmp)
tmp = cdblib.get ('g_ab_4', 'metric.export')
tmp = cdblib.get ('g_ab_5', 'metric.export')
                                                    # cdb (metric5,tmp)
tmp = cdblib.get ('g_ab_6', 'metric.export')
                                                    # cdb (metric6,tmp)
# metric in terms of R and \nabla R
                                                    # cdb (metric,tmp)
tmp = cdblib.get ('g_ab', 'metric.export')
tmp = cdblib.get ('g_ab_scaled0', 'metric.export')
                                                    # cdb (metric.scaled0,tmp)
tmp = cdblib.get ('g_ab_scaled2', 'metric.export')
                                                    # cdb (metric.scaled2,tmp)
                                                    # cdb (metric.scaled3,tmp)
tmp = cdblib.get ('g_ab_scaled3', 'metric.export')
tmp = cdblib.get ('g_ab_scaled4', 'metric.export')
                                                    # cdb (metric.scaled4,tmp)
tmp = cdblib.get ('g_ab_scaled5', 'metric.export')
                                                    # cdb (metric.scaled5,tmp)
# the inverse metric
# inverse metric in terms of R and \partial R
tmp = cdblib.get ('g^ab_3', 'metric-inv.export')
                                                        # cdb (metric3.inv,tmp)
tmp = cdblib.get ('g^ab_4', 'metric-inv.export')
                                                        # cdb (metric4.inv,tmp)
tmp = cdblib.get ('g^ab_5', 'metric-inv.export')
                                                        # cdb (metric5.inv,tmp)
tmp = cdblib.get ('g^ab_6', 'metric-inv.export')
                                                        # cdb (metric6.inv,tmp)
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# inverse metric in terms of R and \nabla R
tmp = cdblib.get ('g^ab', 'metric-inv.export')
                                                        # cdb (metric.inv,tmp)
tmp = cdblib.get ('g^ab_scaled0', 'metric-inv.export')
                                                        # cdb (metric.inv.scaled0,tmp)
tmp = cdblib.get ('g^ab_scaled2', 'metric-inv.export')
                                                        # cdb (metric.inv.scaled2,tmp)
                                                        # cdb (metric.inv.scaled3,tmp)
tmp = cdblib.get ('g^ab_scaled3', 'metric-inv.export')
tmp = cdblib.get ('g^ab_scaled4', 'metric-inv.export')
                                                        # cdb (metric.inv.scaled4,tmp)
tmp = cdblib.get ('g^ab_scaled5', 'metric-inv.export')
                                                        # cdb (metric.inv.scaled5,tmp)
# the generalised connections
# 4th order gen gamma
tmp = cdblib.get ('gen_gamma_0_4th', 'genGamma.export') # cdb (genGamma04, tmp)
tmp = cdblib.get ('gen_gamma_1_4th', 'genGamma.export') # cdb (genGamma14,tmp)
# 6th order gen gamma
tmp = cdblib.get ('gen_gamma_0', 'genGamma.export') # cdb (genGamma0,tmp)
tmp = cdblib.get ('gen_gamma_1', 'genGamma.export') # cdb (genGamma1, tmp)
tmp = cdblib.get ('gen_gamma_2', 'genGamma.export') # cdb (genGamma2, tmp)
tmp = cdblib.get ('gen_gamma_3', 'genGamma.export') # cdb (genGamma3, tmp)
# 6th order gen gamma scaled
tmp = cdblib.get ('gen_gamma_0_scaled', 'genGamma.export') # cdb (genGammaOscaled, tmp)
tmp = cdblib.get ('gen_gamma_1_scaled', 'genGamma.export') # cdb (genGamma1scaled, tmp)
tmp = cdblib.get ('gen_gamma_2_scaled', 'genGamma.export') # cdb (genGamma2scaled, tmp)
tmp = cdblib.get ('gen_gamma_3_scaled', 'genGamma.export') # cdb (genGamma3scaled, tmp)
# gen gamma in terms of partial derivs of Gamma^{a}_{bc}
tmp = cdblib.get ('gen_gamma_pderiv0', 'genGamma.export') # cdb (genGammaPderiv0, tmp)
tmp = cdblib.get ('gen_gamma_pderiv1', 'genGamma.export') # cdb (genGammaPderiv1, tmp)
tmp = cdblib.get ('gen_gamma_pderiv2', 'genGamma.export') # cdb (genGammaPderiv2, tmp)
# the metric determinent and friends
tmp = cdblib.get ('Ndetg','detg2.export') # cdb (Ndetg,tmp)
tmp = cdblib.get ('sqrtNdetg', 'detg2.export') # cdb (sqrtNdetg,tmp)
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tmp = cdblib.get ('logNdetg', 'detg2.export') # cdb (logNdetg,tmp)
# the geodesic ivp
# 4th order ivp terms, scaled
tmp = cdblib.get ('ivp42', 'geodesic-ivp.export') # cdb (ivp42, tmp)
tmp = cdblib.get ('ivp43', 'geodesic-ivp.export') # cdb (ivp43,tmp)
# 6th order ivp terms, scaled
tmp = cdblib.get ('ivp62', 'geodesic-ivp.export') # cdb (ivp62, tmp)
tmp = cdblib.get ('ivp63', 'geodesic-ivp.export') # cdb (ivp63,tmp)
tmp = cdblib.get ('ivp64', 'geodesic-ivp.export') # cdb (ivp64,tmp)
tmp = cdblib.get ('ivp65', 'geodesic-ivp.export') # cdb (ivp65, tmp)
# -----
# the geodesic bvp
# 4th order ivp
tmp = cdblib.get ('bvp4', 'geodesic-bvp.export') # cdb (bvp4,tmp)
# 6th order bvp terms, scaled
tmp = cdblib.get ('bvp622', 'geodesic-bvp.export') # cdb (bvp622, tmp)
tmp = cdblib.get ('bvp623', 'geodesic-bvp.export') # cdb (bvp623, tmp)
tmp = cdblib.get ('bvp624', 'geodesic-bvp.export') # cdb (bvp624, tmp)
tmp = cdblib.get ('bvp625', 'geodesic-bvp.export') # cdb (bvp625, tmp)
tmp = cdblib.get ('bvp633', 'geodesic-bvp.export') # cdb (bvp633,tmp)
tmp = cdblib.get ('bvp634', 'geodesic-bvp.export') # cdb (bvp634, tmp)
tmp = cdblib.get ('bvp635', 'geodesic-bvp.export') # cdb (bvp635, tmp)
tmp = cdblib.get ('bvp644', 'geodesic-bvp.export') # cdb (bvp644,tmp)
tmp = cdblib.get ('bvp645', 'geodesic-bvp.export') # cdb (bvp645, tmp)
tmp = cdblib.get ('bvp655', 'geodesic-bvp.export') # cdb (bvp655, tmp)
# the geodesic lsq
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# 6th order lsq terms, scaled
tmp = cdblib.get ('rnc61scaled', 'gen2rnc.export') # cdb (rnc61,tmp)
tmp = cdblib.get ('rnc62scaled', 'gen2rnc.export') # cdb (rnc62, tmp)
tmp = cdblib.get ('rnc63scaled', 'gen2rnc.export') # cdb (rnc63, tmp)
tmp = cdblib.get ('rnc64scaled', 'gen2rnc.export') # cdb (rnc64, tmp)
tmp = cdblib.get ('rnc65scaled', 'gen2rnc.export') # cdb (rnc65, tmp)
# the geodesic lsq
# 3rd to 6th order lsq
tmp = cdblib.get ('lsq3', 'geodesic-lsq.export') # cdb (lsq3,tmp)
tmp = cdblib.get ('lsq4', 'geodesic-lsq.export') # cdb (lsq4, tmp)
tmp = cdblib.get ('lsq5', 'geodesic-lsq.export') # cdb (lsq5,tmp)
tmp = cdblib.get ('lsq6', 'geodesic-lsq.export') # cdb (lsq6,tmp)
# 6th order lsq terms, scaled
tmp = cdblib.get ('lsq60', 'geodesic-lsq.export') # cdb (lsq60,tmp)
tmp = cdblib.get ('lsq62', 'geodesic-lsq.export') # cdb (lsq62,tmp)
tmp = cdblib.get ('lsq63', 'geodesic-lsq.export') # cdb (lsq63,tmp)
tmp = cdblib.get ('lsq64', 'geodesic-lsq.export') # cdb (lsq64,tmp)
tmp = cdblib.get ('lsq65', 'geodesic-lsq.export') # cdb (lsq65,tmp)
# the dRabcd
# 6th order dRabcd, scaled
tmp = cdblib.get ('dRabcd61scaled', 'dRabcd.export') # cdb (dRabcd61,tmp)
tmp = cdblib.get ('dRabcd62scaled', 'dRabcd.export') # cdb (dRabcd62,tmp)
tmp = cdblib.get ('dRabcd63scaled', 'dRabcd.export') # cdb (dRabcd63,tmp)
tmp = cdblib.get ('dRabcd64scaled', 'dRabcd.export') # cdb (dRabcd64,tmp)
tmp = cdblib.get ('dRabcd65scaled','dRabcd.export') # cdb (dRabcd65,tmp)
# the dGamma
# 6th order dGamma, scaled
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tmp = cdblib.get ('dGamma61scaled','dGamma.export') # cdb (dGamma61,tmp)
tmp = cdblib.get ('dGamma62scaled','dGamma.export') # cdb (dGamma62,tmp)
tmp = cdblib.get ('dGamma63scaled','dGamma.export') # cdb (dGamma63,tmp)
tmp = cdblib.get ('dGamma64scaled','dGamma.export') # cdb (dGamma64,tmp)
tmp = cdblib.get ('dGamma65scaled','dGamma.export') # cdb (dGamma65,tmp)
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