

• 戒除雪煙

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2003年12月
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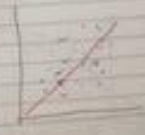
$$\begin{aligned} & \text{④ } A_1 + B_1 \rightarrow 2C_1 \\ & \text{⑤ } A_2 + B_2 \rightarrow 2C_2 \\ & \text{⑥ } A_3 + B_3 \rightarrow 2C_3 \\ & \text{⑦ } A_4 + B_4 \rightarrow 2C_4 \end{aligned}$$

Figure 2

$$\begin{aligned}
 &= \sum_{i=1}^n a_i \cdot x_i \quad (a_i = a_{i1}, a_{i2}, a_{i3}) \\
 &= \sum_{i=1}^n a_i \cdot x_i \quad \text{denn } x_i = \begin{pmatrix} a_{i1} \\ a_{i2} \\ a_{i3} \end{pmatrix} \quad (\text{Matrix-Notation}) \\
 &= \sum_{i=1}^n a_i \cdot x_i \quad \text{matrix-matrix} \\
 &= (a_{11}, a_{12}, a_{13}) \cdot \begin{pmatrix} a_{11} \\ a_{12} \\ a_{13} \end{pmatrix} \quad (\text{Spaltenmatrix})
 \end{aligned}$$
$$\text{Def 7.4 } \vec{f}(x, y) = (f_1, \dots, f_m) \in \mathbb{R}^m$$
$$Q = \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \Rightarrow Q^T = \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix}$$

... (1) ...

λ (0) \rightarrow $\frac{1}{2} \frac{1}{\lambda}$



$$\hat{y} = \underbrace{w_0}_{-1.28} + \underbrace{w_1}_{0.24} x_1 + \underbrace{\varepsilon}_{(1 \times 3.4)} \quad (3)$$

2013.11 12月 2014.11 2015.11

連文五移司

$$y = \underbrace{(X_w)}_{\text{已知条件}} + \varepsilon$$

$$\begin{pmatrix} 1 \\ 2 \\ 3 \\ 4 \end{pmatrix}_{4 \times 1} = \begin{pmatrix} 1 & 2 \\ 1 & 3 \\ 1 & 4 \\ 1 & 5 \end{pmatrix}_{4 \times 2} \begin{pmatrix} 5 \\ 6 \end{pmatrix}_{2 \times 1} = \begin{pmatrix} 7 \\ 8 \\ 9 \\ 11 \end{pmatrix}_{4 \times 1}$$

$$y = w_0 + w_1 x_1 + w_2 x_2 + C$$

何家五子 潘家五子

$$\frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{d}{dt} \left(\frac{1}{2} m \dot{x}^2 \right) = m \dot{x} \ddot{x}$$

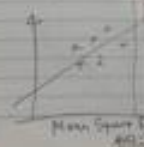
$$y_1 = 10x + 60x \cdot x_1$$

$$= 10x + 60x + 60x \cdot x_1 + 60x$$

$$y_1 = 10x + 60x$$

2. 19.3.1 二重积分的几何意义

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$$MSE = \frac{1}{n-2} \sum_{i=1}^n (y_i - \hat{y}_i)^2$$

$$\hat{\sigma}^2 = \arg \min_{\sigma^2} \text{MSE}_{\text{min}}$$

[illegible]

$$\frac{d}{dt} \text{MSE}_{\text{train}} = 0$$

HS 101 統計学 (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) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100) (101) (102) (103) (104) (105) (106) (107) (108) (109) (110) (111) (112) (113) (114) (115) (116) (117) (118) (119) (120) (121) (122) (123) (124) (125) (126) (127) (128) (129) (130) (131) (132) (133) (134) (135) (136) (137) (138) (139) (140) (141) (142) (143) (144) (145) (146) (147) (148) (149) (150) (151) (152) (153) (154) (155) (156) (157) (158) (159) (160) (161) (162) (163) (164) (165) (166) (167) (168) (169) (170) (171) (172) (173) (174) (175) (176) (177) (178) (179) (180) (181) (182) (183) (184) (185) (186) (187) (188) (189) (190) (191) (192) (193) (194) (195) (196) (197) (198) (199) (200) (201) (202) (203) (204) (205) (206) (207) (208) (209) (210) (211) (212) (213) (214) (215) (216) (217) (218) (219) (220) (221) (222) (223) (224) (225) (226) (227) (228) (229) (230) (231) (232) (233) (234) (235) (236) (237) (238) (239) (240) (241) (242) (243) (244) (245) (246) (247) (248) (249) (250) (251) (252) (253) (254) (255) (256) (257) (258) (259) (260) (261) (262) (263) (264) (265) (266) (267) (268) (269) (270) (271) (272) (273) (274) (275) (276) (277) (278) (279) (280) (281) (282) (283) (284) (285) (286) (287) (288) (289) (290) (291) (292) (293) (294) (295) (296) (297) (298) (299) (300) (301) (302) (303) (304) (305) (306) (307) (308) (309) (310) (311) (312) (313) (314) (315) (316) (317) (318) (319) (320) (321) (322) (323) (324) (325) (326) (327) (328) (329) (330) (331) (332) (333) (334) (335) (336) (337) (338) (339) (340) (341) (342) (343) (344) (345) (346) (347) (348) (349) (350) (351) (352) (353) (354) (355) (356) (357) (358) (359) (360) (361) (362) (363) (364) (365) (366) (367) (368) (369) (370) (371) (372) (373) (374) (375) (376) (377) (378) (379) (380) (381) (382) (383) (384) (385) (386) (387) (388) (389) (390) (391) (392) (393) (394) (395) (396) (397) (398) (399) (400) (401) (402) (403) (404) (405) (406) (407) (408) (409) (410) (411) (412) (413) (414) (415) (416) (417) (418) (419) (420) (421) (422) (423) (424) (425) (426) (427) (428) (429) (430) (431) (432) (433) (434) (435) (436) (437) (438) (439) (440) (441) (442) (443) (444) (445) (446) (447) (448) (449) (450) (451) (452) (453) (454) (455) (456) (457) (458) (459) (460) (461) (462) (463) (464) (465) (466) (467) (468) (469) (470) (471) (472) (473) (474) (475) (476) (477) (478) (479) (480) (481) (482) (483) (484) (485) (486) (487) (488) (489) (490) (491) (492) (493) (494) (495) (496) (497) (498) (499) (500) (501) (502) (503) (504) (505) (506) (507) (508) (509) (510) (511) (512) (513) (514) (515) (516) (517) (518) (519) (520) (521) (522) (523) (524) (525) (526) (527) (528) (529) (530) (531) (532) (533) (534) (535) (536) (537) (538) (539) (540) (541) (542) (543) (544) (545) (546) (547) (548) (549) (550) (551) (552) (553) (554) (555) (556) (557) (558) (559) (560) (561) (562) (563) (564) (565) (566) (567) (568) (569) (570) (571) (572) (573) (574) (575) (576) (577) (578) (579) (580) (581) (582) (583) (584) (585) (586) (587) (588) (589) (590) (591) (592) (593) (594) (595) (596) (597) (598) (599) (600) (601) (602) (603) (604) (605) (606) (607) (608) (609) (610) (611) (612) (613) (614) (615) (616) (617) (618) (619) (620) (621) (622) (623) (624) (625) (626) (627) (628) (629) (630) (631) (632) (633) (634) (635) (636) (637) (638) (639) (640) (641) (642) (643) (644) (645) (646) (647) (648) (649) (650) (651) (652) (653) (654) (655) (656) (657) (658) (659) (660) (661) (662) (663) (664) (665) (666) (667) (668) (669) (670) (671) (672) (673) (674) (675) (676) (677) (678) (679) (680) (681) (682) (683) (684) (685) (686) (687) (688) (689) (690) (691) (692) (693) (694) (695) (696) (697) (698) (699) (700) (701) (702) (703) (704) (705) (706) (707) (708) (709) (710) (711) (712) (713) (714) (715) (716) (717) (718) (719) (720) (721) (722) (723) (724) (725) (726) (727) (728) (729) (730) (731) (732) (733) (734) (735) (736) (737) (738) (739) (740) (741) (742) (743) (744) (745) (746) (747) (748) (749) (750) (751) (752) (753) (754) (755) (756) (757) (758) (759) (760) (761) (762) (763) (764) (765) (766) (767) (768) (769) (770) (771) (772) (773) (774) (775) (776) (777) (778) (779) (780) (781) (782) (783) (784) (785) (786) (787) (788) (789) (790) (791) (792) (793) (794) (795) (796) (797) (798) (799) (800) (801) (802) (803) (804) (805) (806) (807) (808) (809) (810) (811) (812) (813) (814) (815) (816) (817) (818) (819) (820) (821) (822) (823) (824) (825) (826) (827) (828) (829) (830) (831) (832) (833) (834) (835) (836) (837) (838) (839

$$\Rightarrow \frac{1}{N} \sum_{i=1}^N \frac{1}{r_{\text{max},i}} \sum_{j=1}^{\text{max}} (g_i^{(j)} - g_i^{(j+1)})^2 \geq 0$$

$$\frac{1}{N} \sum_{i=1}^N \frac{1}{P_i} \sum_{j=1}^P (x_j^T w - y_i)^2 = 0$$

$$\frac{1}{2n} \left\{ \frac{1}{n} (X_{10} - \bar{y})^T (X_{10} - \bar{y}) \right\} = 0 \quad \left(\begin{bmatrix} \frac{1}{32} & \frac{1}{32} \\ \frac{1}{32} & \frac{1}{32} \end{bmatrix} \begin{bmatrix} \frac{1}{16} \\ \frac{1}{16} \end{bmatrix} - \begin{bmatrix} \frac{1}{16} \\ \frac{1}{16} \end{bmatrix} \right)$$

$$\frac{1}{n} \frac{d}{dt} (w^2 x^2 - y^2)(xw - y) = 0$$

$$\frac{1}{\Gamma(w)} \frac{d}{dz} \int_0^1 w x^2 x w - w x^2 y - \frac{1}{\Gamma(w)} x^2 + y^2 \Big|_{z=0}$$

$$\frac{1}{T_{\text{in}}} \frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{1}{T_{\text{in}}} \frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{1}{T_{\text{in}}} \frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = 0$$

$$\frac{1}{n} \{ 2X^T X W - 2X^T \} = 0$$

$$A = \begin{pmatrix} 1 & 2 \\ 3 & 4 \end{pmatrix} \quad A^{-1} = \frac{1}{\det(A)} \begin{pmatrix} d & -b \\ -c & a \end{pmatrix} = \frac{1}{-2} \begin{pmatrix} 4 & -2 \\ -3 & 1 \end{pmatrix} = \begin{pmatrix} -2 & 1 \\ 1.5 & -0.5 \end{pmatrix}$$

$$X^T X w = X^T b \Rightarrow (X^T X + \lambda I) w = (X^T X + \lambda I)^{-1} X^T b$$

$$\hat{y} = x_0 \hat{w} + \frac{1}{n} x_0 (x^T x)^{-1} x^T y$$

$$\hat{\beta} = (X^T X)^{-1} X^T y$$

最小二乘估计的公式
[一般线性模型]

作群同态 $\varphi: G \rightarrow H$

$$y(x) = \sum_{j=1}^n w_j \phi_j(x) \quad \text{with } n=2 \text{ (HBM)} \quad (1 \text{ layer, 2 parameters})$$

$$y_2 = c_2 u + \sum_{j=1}^n u_j \frac{1}{2} (y_1 + y_2) + c_2$$

基底関数

基底関数 (基底) $\{u, \frac{1}{2}(y_1 + y_2)\}$
 の線形結合で表す
 $y_2 = c_2 u + \sum_{j=1}^n u_j \frac{1}{2} (y_1 + y_2) + c_2$

(10) $y = \sum_{n=0}^{\infty} a_n x^n \rightarrow y' = \sum_{n=1}^{\infty} n a_n x^{n-1}$

$$\hat{Q} = (X^T X)^{-1} X^T Y$$

$$- \nabla \cdot \mathbf{J} = (\mathbf{E} \cdot \nabla) \rho$$

$$\hat{\beta} = (X^T X)^{-1} X^T y$$

左邊位 (LNV)

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Stewart

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2015年12月10日

王明(2002)《邓小平时代的中国: 知识分子的命运》

⑤ 金で買ったものは、もうすぐのうちに壊れてしまう。長い期間を越えてくると、金で買ったものは、壊れてしまう。

② 多分2つの果物のミックス(ヤム、11 刺繍子)

(2) 根据下列各题, 在①~④中选择恰当的选项填入括号内。

ササキ・アサキ・ユシ (SVM)

[illegible]
$$w_{n+1} = \frac{1}{2} \|w_n\|^2 + \pi (w_n^T (u) - b) 2^{-1} (u, u, n)$$

學生公會雜誌 4(20)

$$L(\mathbf{y}, \mathbf{a}) = \frac{1}{2} \|\mathbf{y}\|^2 - \sum_{i=1}^n a_i (w f(x_i) + b - 1)$$
$$\frac{dL}{dt} = -\sum_{i=1}^n \alpha_i \frac{d}{dt} f_i(x_i) = -L \quad \frac{dL}{dt} = -\sum_{i=1}^n \alpha_i \frac{d}{dt} f_i(x_i) = -L$$
$$\tilde{L}(u) = G^T + \frac{1}{2} \Delta^T H u.$$
$$Q = A + M_2(I - P_{\infty})$$
$$R \in \Delta - \Pi_{\Delta}(\Delta^T + \epsilon) \mathbf{I}$$

愛人子如己 凡屬我工友之子 無不盡心外也

第4年 機械工学基礎

$$1 \quad b \quad 2 \quad c \quad 3 \quad c \quad 4 \quad A$$

5 7 A 1 R 5 D

6 A

尹(主) —

第6章 分子运动论、热力学、热力学第二定律

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	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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5 7 C 1 P 2 D

4 C 7 B

第7章 船舶水力学

1 7A 1B 5C 2A

 $270^\circ \text{ CC } 5A \text{ } 3A$
$$2 \pi C \cdot 10 \cdot 50 = 0$$

4. 7 A 1 B 5 A 8 B

$$\{ \gamma, b, \lambda A$$

435 10

28年 5月6日 月曜

1. $A \times B \rightarrow C$
2. $A \times C \rightarrow B \times D$
3. $A \times B \rightarrow C \times D$
4. $A \times B \rightarrow C \times D$
5. $A \times B \rightarrow C \times D$
6. $A \times B \rightarrow C \times D$

