

Revised 29 June 1993.

The Brahmasphutasiddhanta consists of 24 chapters, but this digitalized version contains mathematical chapters only, that is,

1. Chapter 12 (ganita),
2. Chapter 18 (kuttaka),
3. Chapter 19 (sanku-chaya-vijnana),
4. Chapter 20 (chandas-citi-uttara), and
5. jna-prakarana (stanzas 17--23) of Chapter 21 (gola).

Notation (local rules)

[D: x > y] indicates that Dvivedin, the editor, suggests the reading, y, instead of x.

In Chapter 18:

[Cb.n] indicates that the stanza is given the number, n, in Colebrooke's translation.

[Cb.@] indicates that the stanza does not exist in Colebrooke's translation.

Otherwise, the stanza number coincides with Colebrooke's one.

(Colebrooke's translation is available for Chapters 12 and 18 only. In Chapter 12, all the stanza numbers given by Dvivedin coincide with Colebrooke's.)

As Chapter 20, on combinatrics concerning Sanskrit prosody, has not been deciphered yet, the text of that chapter is left exactly as it is in Dvivedin's edition without decomposition of compounds and sandhi.

Revisions:

- 2020-07-31: TEI encoding by mass conversion of GRETIL's Sanskrit corpus

Text

[atha ganita-adhyayas]

[parikarma-vimsatis]

parikarma-%vimsatim yas sankalita-adyam prthak vijanati/
%astau ca vyavaharan chaya-antan bhavati ganakas sas// BSS_12.1

viparita-cheda-gunas rasyos cheda-amsakas sama-chedas/
sankalite amsas yojyas vyavakalite amsa-antaram karyam// BSS_12.2

rupani cheda-gunani amsa-yutani %dvayos bahunam va/
pratyutpannas bhavati cheda-vadhena uddhrtas amsa-vadhas// BSS_12.3

parivartya bhaga-hara-cheda-amsau cheda-samguna-chedas/
amsas amsa-gunas bhajyasya bhaga-haras savarnitayos// BSS_12.4

samvarnita--amsa-vargas cheda-krti-vibhajitas bhavati vargas/
samvarnita-amsa-mulam cheda-padena uddhrtam mulam// BSS_12.5

sthapyas antya-ghanas antya-krtis %tri-guna-uttara-sanguna ca
tad-%prathamam/
uttara-krtis antya-guna %tri-guna ca uttara-ghanas ca ghanas// BSS_12.6

chedas ghanat %dvitiyat ghana-mula-krtis %tri-sanguna apta-krtis/
sodhya %tri-purva-gunita %prathamam ghanatas ghanas mulam// BSS_12.7

sadr̥sa-cheda-amsa-yutis cheda-vibhakta phalam %prathama-jatau/
amsais amsas gunitas chedais chedas %dvitīyayam// BSS_12.8

urdhva-amsas cheda-gunas %trīya-jatau %dvayos %prathama-parayos/
chedais chedas gunitas sva-amsa-yuta-unais upari-ga-amsas//
BSS_12.9

trairasike pramanam phalam icca adi-antayos sadr̥sa-rasi/
iccha phalena gunita pramana-bhakta phalam bhavati// BSS_12.10

vyasta-trairasika-phalam iccha-bhaktas pramana-phala-ghatas/
trairasika-adisu phalam visamesu %ekadasa-antesu// BSS_12.11

phala-sankramanam ubhaya-tas bahu-rasi-vadhas alpa-vadha-hrtas jñeyam/
sakalesu evam bhīnesu ubhaya-tas cheda-sankramanam// BSS_12.12

prak mulya-vyatyasas bhandapratibhandake anyat ukta-samam/
parikarmani %astanam vyavaharanam abhihitani// BSS_12.13

[misraka-vyavaharas]

kala-gunitam pramanam phala-bhaktam vi-%eka-guna-hatam kalas/
sva-phala-yuta-#rupa-bhaktam mula-phala-aikyam bhavati mulam// BSS_12.14

kala-pramana-ghatas para-kala-hrtas dvidha adya-misra-vadhat/
anya-%ardha-krti-yutat padam anya-%ardha-unam pramana-phalam// BSS_12.15

praksepa-yoga-hrtaya labdhya praksepakas gunas labhas/
una-adhika-uttaras tad-yuta-unaya sva-phalam una-yutam// BSS_12.16

[sredhi-vyavaharas]

padam %eka-hinam uttara-gunitam samyuktam adina antya-dhanam/
adi-yuta-antya-dhana-%ardham madhya-dhanam pada-gunam ganitam// BSS_12.17

uttara-hina-%dvi-guna-adi-sesa-vargam dhana-uttara-%asta-vadhe/
praksipyā padam sesa-unam %dvi-guna-uttara-hrtam gacchas// BSS_12.18

%eka-uttaram %eka-adyam yadi ista-gacchasya bhavati sankalitam/
tat %dvi-yuta-gaccha-gunitam %tri-hrtam sankalita-sankalitam//
BSS_12.19

%dvi-guna-pada-sa-%eka-gunitam tat %tri-hrtam bhavati varga-sankalitam/
ghana-sankalitam tad-krtis esam sama-golakais citayas// BSS_12.20

[ksetra-vyavaharas]

sthula-phalam %tri-%catur-bhuja-bahu-pratibahu-yoga-#dala-ghatas/
bhuja-yoga-%ardha-%catustaya-bhuja-una-ghatat padam suksmam//
BSS_12.21

bhuja-krti-antara-bhu-hrta-hina-yuta bhus %dvi-bhajita avadhe/
sva-avadha-varga-unat bhuja-vargat mulam avalambas// BSS_12.22

avisama-%catur-asra-bhuja--pratibhuja-vadhayos yutes padam karnas/
karna-krtis bhu-mukha-yuti-#dala-varga-una padam lambas// BSS_12.23

karna-krtes koti-krtim visodhya mulam bhujas bhujasya krtim/
prohya padam kotis koti-bahu-krti-yuti-padam karnas// BSS_12.24

karna-yutau urdhva-adhara-khande karna-avalamba-yoge va/
sva-avadhe sva-yuti-hrte dvidha prthak karna-lamba-gune// BSS_12.25

avisama-parsva-bhuja-gunas karnas %dvi-guna-avalambaka-vibhaktas/
hrdayam visamasya bhujapratibhuja-krti-yoga-mula-%ardham// BSS_12.26

%tri-bhujasya vadhas bhujayos %dvi-gunita-lamba-uddhrtas hrdaya-rajjus/
sa %dvi-guna %tri-%catur-bhuja-kona-sprk vrtta-viskambhas//
BSS_12.27

karna-asrita-bhuja-ghata-aikyam ubhayatha anyonya-bhajitam gunayet/
yogena bhujapratibhuja-vadhayos karnau pade visame// BSS_12.28

visama-%catur-asra-madhye visama-%tri-bhuja-%dvayam prakalpya prthak/
karna-%dvayena purva-vat avadhe lambakau ca prthak// BSS_12.29

visama-bhuja-antar-%tri-bhujeh prakalpya karnau bhujau tad-avadhe/
prthak urdhva-adhara-khande karna-yutau karnayos adhare// BSS_12.30

%tri-bhujeh bhujau tu bhumis tad-lambas lambaka-adharam khandam/
urdhvam avalamba-khandam lambaka-yoga-%ardham adhara-unam// BSS_12.31

karna-avalambaka-yutau khande karna-avalambakayos adhare/
anupatena tad-une urdhve sucyam sa-patayam// BSS_12.32

krti-yutis asadrsa-rasyos bahu ghatas %dvi-sangunas lambas/
krti-antaram asadrsayos %dvi-gunam %dvi-sama-%tri-bhuja-bhumis//
BSS_12.33

ista-%dvayena bhaktas dvidha ista-vargas phala-ista-yoga-%ardhe/
visama-%tri-bhujasya bhujau ista-una-phala-%ardha-yogas bhus//
BSS_12.34

istasya bhujasya krtis bhakta una istena tad-#dalam kotis/
ayata-%catur-asrasya ksetrasya ista-adhika karnas// BSS_12.35

ayata-karnas bahu bhujakrtis istena bhajita ista-una/
%dvi-hrta koti-adhika bhus mukham una %dvi-sama-%catur-asre//
BSS_12.36

karna-krtis %tri-sama-hbujas %trayas %caturthas visodhya koti-krtim/
bahu-krtes %tri-gunayas yadi adhikas bhus mukham hinas// BSS_12.37

jatya-%dvaya-koti-bhujas para-karna-gunas bhujas %catur-visame/
adhikas bhus mukha-hinas bahu-%dvyayam bhujau anyau// BSS_12.38

ista-guna-kara-gunitas giri-ucchrayas pura-antaram anastam/
%dvi-yuta-guna-kara-bhajitam utpatas anyasya sama-gatyos// BSS_12.39

vyasa-vyasa-%ardha-krti paridhi-phale vyavaharike %tri-gune/
tad-vargabhyam %dasabhis sangunitabhyam pade suksme// BSS_12.40

vrte sara-una-gunitat vyasat %catur-ahatat padam jiva/
jya-vargas %catur-ahata-sara-bhaktas sara-yutas vyasas// BSS_12.41

jya-vyasa-krti-visesat mula-vyasa-antara-%ardham isus alpas/
vyasau grasa-una-gunau grasa-una-aikya-uddhrtau banau// BSS_12.42

ista-sara-%dvaya-bhakte jya-%ardha-krti sara-yute phale vyasau/
sarayos phalayos aikyam grasas grasa-unam aikyam tat// BSS_12.43

[khata-vyavaharas]

ksetra-phalam vedha-gunam sama-khata-phalam hrtam %tribhis sucyas/
mukha-tala-tulya-bhuja-aikyani %eka-agra-hrtani sama-rajjus// BSS_12.44

mukha-tala-yuti-#dala-ganitam vedha-gunam vyavaharikam ganitam/
mukha-tala-ganita-aikya-%ardham vedha-gunam syat ganitam autram//
BSS_12.45

autra-ganitit visodhya vyavahara-phalam bhajet %tribhis sesam/
labdham vyavahara-phale praksipya bhavati phalam suksmam// BSS_12.46

[citi-vyavaharas]

akrti-phalam aucya-ahatam agra-tala-aikya-%ardham aucya-dairghya-gunam/
ghana-ganitam istaka-ghana-phalena hrtam istaka-ganitam//
BSS_12.47

[krakacika-vyavaharas]

vistara-ayama-angula-ghatas marga-ahatas %dvi-#veda-hrtas/
kisku-angulani labdham tat %sannavatis bhavati karma// BSS_12.48

saka-adisu salmalyam %sata-%dvayam bijake %satam %vimsam/
sala-sarala-adisu %satam atha avi-darusu %catuhsastis/
BSS_12.49

[rasi-vyavaharas]

%navamas sukisu %dasamas sthulesu %ekadasas bhavati anusu/
paridhes vedhas paridhes %sas-amsa-varga-ahatas ganitam// BSS_12.50

%dvi-%catur-sa-%tri-amsa-gunas bhitti-antar-vahya-kona-gas paridhis/
prak-vat krtva ganitam tad-ganitam sva-guna-kara-hrtam// BSS_12.51

[chaya-vyavaharas]

chaya-nara-sa-%eka-hrtam dyu-#dalam prak-aparayos dyu-gata-sesam/
dina-gata-sesa-amsa-hrtam dyu-#dalam chaya-nara-vi-%ekam// BSS_12.52

dipa-tala-sanku-talayos antaram ista-pramana-sanku-gunam/
dipa-sikha-aucyat sankum visodhya sesa-uddhrtam chaya//
BSS_12.53

chaya-agra-antara-gunita chaya chaya-antarena bhakta bhus/
bhus sanku-guna chaya-vibhajita dipa-sikhaya aucyam// BSS_12.54

[pratyutpanna-adayas]

guna-kara-khanda-tulyas gunyas go-mutrika-krtas gunitas/
sahitas pratyutpannas guna-karaka-bheda-tulyas va// BSS_12.55

gunyas rasis guna-kara-rasina ista-adhika-unakena gunas/
gunya-ista-vadha-una-yutas gunake abhyadhika-unake karyas//
BSS_12.56

chedena ista-yuta-unena aptam bhajyat anastam ista-gunam/
prakrti-stha-cheda-hrtam labdhya yuta-hinakam anastam// BSS_12.57

gunyas cheda-phala-vadhas gunaka-hrtas gunya-bhajitas gunakas/
cheda-uddhrtas phalam gunya-guna-vadhas phala-hrtas chedas// BSS_12.58

gunya-guna-karayos cheda-labdhayos yadi %dvayos %dvayos nasas/
tesam drsyau vyastau krtva tad-sthanayos ca istau// BSS_12.59

gunyam guna-karam va gunayet chedena bhaga-harasya/
gunya-guna-kara-rasyos cheda-gunas bhaga-haras ca// BSS_12.60

acchedasya chedam #rupam krtva anyat ukta-vat sarvam/
apavartyau cheda-gunau tulyena istena gunyau va// BSS_12.61

sva-vikala-%sasti-amsa-gunas sakalas %trimsa-uddhrtas
vikala-vargas/
praksepyas sakala-krtau varga-ghanau %dvi-%tri-tulya-vadhau// BSS_12.62

rases unam %dvi-gunam bahutara-gunam una-krti-yutam vargas/
rases ista-yuta-unat vadhas krtis va ista-krti-yuktas//
BSS_12.63

ista-alpa-rasi-vargau yukta-unau itara-vikala-vargabhyam/
%dvi-guna-itara-rasibhyam bhaktau tena adhika-unabhyam// BSS_12.64

sthana-antaresu labdham yena samam phala-yuta-unaka-chedas/
dalitas krti-yoga-antara-padam itaras va phala-yuta-unas// BSS_12.65

dik-matram etat anyat jya-utpattau kuttake ca kathayisye/
sankalita-adisu aryas %satsastis %dvadasas adhyayas//
iti sri-brahma-sphuta-siddhante %dvadasas adhyayas//12// BSS_12.66

[atha kuttaka-adhyayas]

prayena yatas prasnas kuttakarate na sakyante/
jñatum vaksyami tatas kuttakaram saha prasnas// BSS_18.1

kuttaka-#kha-rna-dhana-avyakta-madhya-harana-%eka-varna-bhavitakai
s/
acaryas tantra-vidam jñatais varga-prakrtya ca// BSS_18.2

[kuttakam]

adhika-agra-bhaga-harat una-agra-cheda-bhajitat sesam/
yat tat paraspara-hrtam labdham adhas adhas prthak sthapyam// BSS_18.3

sesam tatha ista-gunitam yatha agrayos antarena samyuktam/
sudhyati gunakas sthapyas labdham ca antyat upantya-gunas// BSS_18.4

sva-urdhvas antya-yutas agra-antas hina-agra-cheda-bhajitas sesam/
adhika-agra-cheda-hatam adhika-agra-yutam bhavati agram// BSS_18.5

cheda-vadhasya %dvi-yugam cheda-vadhas yuga-gatam %dvayos agram/
kuttakarena evam %tri-adi-graha-yuga-gata-anayanam// BSS_18.6

bha-gana-adi-sesam agram cheda-hrtam #kham ca dina-ja-sesa-hrtam/
anayos agram bha-gana-adi-dina-ja-sesa-uddhrtam dyu-ganas// BSS_18.7

dina-ja-bha-gana-adi-sesam yena gunam mandala-adi sesakayos/
sa-drsa-cheda-uddhrtayos tad-ghatam ahar-gana-adyam atas// BSS_18.8

hrtayos parasparam yat chesam guna-kara-bhaga-harakayos/
tena hrtau nis-chedau tau eva parasparam hrtayos// BSS_18.9

labdham adhas adhas sthapyam tatha ista-guna-kara-sangunam
sesam/
sudhyati yatha %eka-hinam gunakas sthapyas phalam ca antyat// BSS_18.10

agra-antam upantylene sva-urdhvas gunitas antya-samyutas bhaktam/
nis-sesa-bhaga-harena evam sthira-kuttakas sesam// BSS_18.11

ista-bha-gana-adi-sesat sva-kuttaka-gunat
sva-bhaga-hara-gunat/
sesam dyu-ganas gata-nis-apavarta-guna-bhaga-hara-yutas// BSS_18.12

evam samesu visamesu rnam dhanam dhanam rnam yat uktam tat/
rna-dhanayos vyastatvam gunya-praksepayos karyam// BSS_18.13

gunakas chedas chedas gunakas dhanam rnam rnam dhanam karyam/
vargam padam padam krtis antyat viparitam adyam tat// BSS_18.14

yas janati yuga-adi graha-yuga-yatais prthak prthak kathitais/
%dvi-%tri-%catur-prabhrtinam kuttakaram sas janati// BSS_18.15

bha-gana-adyam ista-sesam kada indu-divase raves guru-dine va/
jñā-dine rasin kathayati kuttakaram sas janati// BSS_18.16

jñā-dine yat amsa-sesam vikala-sesam kada tat indu-dine/
bhanos atha va sasinas yas kathayati kuttaka-jñās sas// BSS_18.17

tithi-mana-dinesu istas ye arka-adyas te punar kada tesu/
ista-graha-varesu yas kathayati kuttaka-jñās sas// BSS_18.18

ista-bha-gana-adi-sesat dyu-ganas tat kuttakena samyuktas/
tad-cheda-dināis tavat dina-varas yavat istas syat// BSS_18.19

yas rasi-adin drstva madhyasya istasya katahyati dyu-ganam/
%dvi-adi-graha-samyogat graha-antarāt va sas kuttā-jñās// BSS_18.20

nis-cheda-bhaga-harat rasi-adi-kala-adina hatat bhaktat/
bha-gana-kalabhis labdham mandala-sesam dina-ganas asmat//

BSS_18.21

evam rasi-amsa-kala-vikala-sesat ahar-ganas prak-vat/
nasta-sthesu istan tan krtva bhaktva ukta-vat sesam//

BSS_18.22

rasi-amsa-kala-vikala-sesat kathitat abhistatas nastan/
yas sadhayati uparitanan sa-madhyaman kuttaka-jñās sas// BSS_18.23

yena gunas sesa-yutas chedas sudhyati hrtas sva-gunakena/
tad-bhuktam sesam phalam evam sesat graha-dyu-ganau// BSS_18.24

janati yas yuga-gatam kathitat adhimasa-sesakat istat/
avama-avasesatas va tad-yogat va sas kutta-jñās// BSS_18.25

istesu mana-divasesu adhimasa-nyuna-ratra-sese va/
bhuyas te yas kathayati prthak prthak va sas kutta-jñās// BSS_18.26

amsaka-sesat %tri-unat %sapta-hrtat mulam unam %astabhis/
%navabhis gunam sa-#rupam kada %satam budha-dine savitus// BSS_18.27

%tri-una-adhimasa-sesat mulam %dvi-adhikam vibhajitam %sadbhis/
%dvi-unam vargitam adhikam %navabhis %navatis kada bhavati// BSS_18.28

avama-avasesa-vargas vi-%ekas %vimsati-vibhajitas %dvi-adhikas/
%asta-gunas %dasa-bhaktas %dvi-yutas %astadasa kada bhavati//
BSS_18.29

[dhana-rna-sunyam]

dhanayos dhanam rnam rmayos dhana-rnayos antaram sama-aikyam #kham/
rnam aikyam ca dhanam rna-dhana-#sunyayos #sunyayos #sunyam//
BSS_18.30

unam adhikat visodhyam dhanam dhanat rnam rnat adhikam unat/
vyastam tad-antaram syat rnam dhanam dhanam rnam bhavati// BSS_18.31

#sunya-vihinam rnam rnam dhanam dhanam bhavati #sunyam #akasm/
sodhyam yada dhanam rnat rnam dhanat va tada ksepyam//
BSS_18.32

rnam rna-dhanayos ghatas dhanam rmayos dhana-vadhas dhanam
bhavati/
#sunya-rnayos #kha-dhanayos #kha-#sunyayos va vadhas #sunyam//
BSS_18.33

dhana-bhaktam dhanam rna-hrtam rnam dhanam bhavati #kham #kha-bhaktam
#kham/
bhaktam rmena dhanam rnam dhanena hrtam rnam rnam bhavati//
BSS_18.34

#kha-uddhrtam rnam dhanam va tad-chedam #kham rna-dhana-vibhaktam
va/
rna-dhanayos vargas svam #kham #khasya padam krtis yat tat// BSS_18.35

[sankramanam]

yogas antara-yuta-hinas %dvi-hrtas sankramanam antara-vibhaktam va/
varga-antaram antara-yuta-hinam %dvi-hrtam visama-karma// BSS_18.36

[karani]

karani lambas tad-krtis ista-hrta ista-una-samyuta alpa
bhus/

adhikas %dvi-hrtas bhus samksepyas yad-vadhas vargas// BSS_18.37

ista-uddhrta-karani-pada-yuti-krtis ista-gunita
antara-krtis va/

gunyas tiryak adhas adhas gunaka-samas tad-gunas sahitas// BSS_18.38

sva-ista-rna-cheda-gunau bhajya-chedau prthak yujau asakrt/

cheda-%eka-gata-hrtas va bhajyas vargas sama-%dvi-vadhas// BSS_18.39

ista-karani-unayas rupa-krtes pada-yuta-una-rupa-%ardhe/

%prathamam rupani anyat tatas dvitiyam karani asakrt// BSS_18.40

avyakta-varga-ghana-varga-varga-%pañca-gata-%sas-gata-adinam/

tulyanam sankalita-vyavakalite prthak atulyanam// BSS_18.41

sadrsa-%dvi-vadhas vargas %tri-adi-vadhas tad-gatas anya-jati-vadhas/

anyonya-varna-ghatas bhavitakas purva-vat sesam// BSS_18.42

[eka-varna-sami-karanam]

avyakta-antara-bhaktam vyastam rupa-antaram same avyaktas/

varga-avyaktas sodhyas yasmat rupani tad-adhastat// BSS_18.43

varga-%catur-gunitanam rupanam madhya-varga-sahitanam/

mulam nadhyena unam varga-%dvi-guna-uddhrtam madhyas// BSS_18.44

varga-ahata-rupanam avyakta-%ardha-krti-samyutanam yat/

padam avyakta-%ardha-unam tat varga-vibhaktam avyaktas// BSS_18.45

sa-%ekat amsaka-sesat %dvadasa-bhagas %catur-gunas

%asta-yutas/

sa-%eka-amsa-sesa-tulyas yada tada ahar-ganam kathaya// BSS_18.46

%dvi-unam adhika-masa-sesam %tri-hrtam %sapta-adhikam

%dvi-sangunitam/

adhimasa-sesa-tulyam yada tada yuga-gatam kathaya// BSS_18.47

vi-%ekam avama-avasesam %sas-uddhrtam %tri-yutam avama-sesasya/

%pañca-vibhaktasya samam yada tada yuga-gatam kathaya// BSS_18.48

mandala-sesat %dvi-unat mulam vi-%ekam %dasa-ahatam %dvi-yutam/

mandala-sesam vi-%ekam bhanos jña-dine kada bhavati// BSS_18.49

adhimasa-sesa-#padat %tri-unat vargas adhimasa-sesa-samas/

avama-avasesatas va avama-sesa-samas kada bhavati// BSS_18.50

[aneka-varna-sami-karanam]

adyat varnat anyan varnan prohya adya-manam adya-hrtam/
sadr̥sa-chedau asakrt̥ %dvau vyastau kuttakas bahusu// BSS_18.51

gata-bhagana-yutat dyu-ganat tad-sesa-yutat tad-aikya-samyuktat/
tad-yogat dyu-ganam va yas kathayati kuttaka-jñ̥as sas// BSS_18.52

gata-bhagana-unat dyu-ganat tad-sesa-unat tad-aikya-hinat va/
tad-vivarat dyu-ganam va yas kathayati kuttaka-jñ̥as sas// BSS_18.53

rasi-adyais tad-sesais ca evam bhukta-adhimasa-dina-hinai/
tad-sesais ca yuga-gatam yas kathayati kuttaka-jñ̥as sas// BSS_18.54

amsaka-sesena yutat lipta-sesat tad-antarata atha va/
bhanos jñ̥a-dine dyu-ganam yas kathayati kuttaka-jñ̥as sas// BSS_18.55

amsaka-sesam %tri-yutam lipta-sesam kada raves jñ̥a-dine/
%sat %sapta %astau %nava va kurvan a vatsarat ganakas// BSS_18.56

amsa-samam amsa-sesam kala-samam va kala-sesam/
divasa-karasya ista-dine kurvan a vatsarat ganakas// BSS_18.57

avama-avasesam avamais adhimasaka-sesam adhimasais/
ista-yuta-unam tulyam kurvan a vatsarat ganakas// BSS_18.58

nis-cheda-bhaga-haras bhanos %saptati-gunas amsa-sesa-unas/
sudhyati %ayuta-vibhaktas kurvan a vatsarat ganakas// BSS_18.59

[bhavitakam]

bhavitaka-rupa-gunana sa-avyakta-vadha ista-bhajita
ista-apyos/
alpe adhikas adhike alpas ksepyas bhavita-hrtau vyastam// BSS_18.60

bhanos rasi-amsa-vadhat %tri-%catur-gunitan visodhya
rasi-amsan/
%navatim dr̥stva suryam kurvan a vatsarat ganakas// BSS_18.61

bhavitake yad-ghatas vinasta-varnena tad-pramanani/
krtva istani tad-ahata-varna-aikyam bhavati rupani// BSS_18.62

varna-pramana-bhavitaghata bhavati ista-varna-sankhya evam/
sidhyati vina api bhavita-sama-karanat kim krtam tat atas// BSS_18.63

[varga-praktis]

mulam dvidha ista-vargat gunaka-gunat ista-yuta-vihinat ca/
adya-vadhas gunaka-gunas saha antya-ghatena krtam antyam// BSS_18.64

vajra-vadha-aikyam %prathamam praksepas ksepa-vadha-tulyas/
praksepa-sodhaka-hrte mule praksepake #rupe// BSS_18.65

#rupa-praksepa-pade prthak ista-ksepya-sodhya-mulabhyam/
krtva antya-adya-pade ye praksepe sodhane va iste// BSS_18.66

%catur-adhike antya-pada-krtis %tri-una dalita antya-pada-guna
antya-padam/

antya-pada-krtis vi-%eka %dvi-hrta adya-pada-ahata adya-padam//
BSS_18.67

%catur-une antya-pada-krti %tri-%eka-yute vadha-#dalam prthak vi-%ekam/
vi-%eka-adya-ahatam antyam pada-vadha-gunam adyam antya-padam//
BSS_18.68

varge gunake ksepas kena cit uddhrta-yuta-unitas dalitas/
%prthamas antya-mulam anyas guna-kara-pada-uddhrtas %prthamas//
BSS_18.69

varga-chinne gunake %prathamam tad-mula-bhajitam bhavati/
varga-chinne ksepe tad-pada-gunite tada mule// BSS_18.70

gunaka-yutis %asta-gunita gunaka-antara-varga-bhajita rasis/
gunakau %tri-gunau vyasta-adhikau hrtau antarena pade// BSS_18.71

vargas anya-krti-yuta-unas tad-samyoga-antara-%ardha-krti-bhaktas/
tad-gunitau yuti-viyutau vargau ghate ca #rupa-yute// BSS_18.72

yais unas yais ca yutas rupais vargas tad-aikyam ista-hrtam/
ista-unam tad-#dala-krtis una abhyadhika bhavati rasis// BSS_18.73

yabhyam krtis adhika-unas tad-antaram hrta-yuta-unam istena/
tad-#dala-krtis adhika-una adhikayos adhika-unayos rasis// BSS_18.74

[udaharanani]

rasi-kala-sesa-krtim %dvinavati-gunitam %tryasiti-gunitam va/
sa-%eka jña-dine vargam kurvan a vatsarat ganakas// BSS_18.75

surya-vilipta-sesam %pañcabhis una-ahatam tatha %dasabhis/
varge brhaspati-dine kurvan a vatsarat ganakas// BSS_18.76

bha-gana-adi-sesa-vargam %tribhis gunam samyutam %satais %navabhis/
krtim %asta-%sata-unam va kurvan a vatsarat ganakas// BSS_18.77

bha-gana-adi-sesa-vargam %catur-gunam %pañcasasti-samyuktam/
%sasti-unam va vargam kurvan a vatsarat ganakas// BSS_18.78

ista-bhagana-adi-sesam %dvinavati-unam %tryasiti-samgunitam/
#rupena yutam vargam kurvan a vatsarat ganakas// BSS_18.79

adhimasa-sesa-vargam %trayodasa-gunam %tribhis %satais yuktam/
%tri-ghana-unam va vargam kurvan a vatsarat ganakas// BSS_18.80

indu-vilipta-sesam %saptadasa-gunam %trayodasa-gunam ca api/
prthak %eka-yutam vargam kurvan a vatsarat ganakas// BSS_18.81

avama-avasesa-vargam %dvadasa-gunitam %satena samyuktam/
%tribhis unam va vargam kurvan a vatsarat ganakas// BSS_18.82

jña-dine arka-kala-sesam guru-dina-vikala-avasesa-yukta-unam/
vargam vadham ca sa-%ekam kurvan a vatsarat ganakas// BSS_18.83

vikala-sesam sahitam %trinavatya %saptasasti-hinam ca/

bhanos jñā-dine vargam kurvan a vatsarat ganakas// BSS_18.84

jñā-dine arka-kala-sesam %dvadasabhis samyutam %trisastya ca/
%sastya %astabhis ca unam kurvan a vatsarat ganakas//
BSS_18.85

indu-vilipta-sesat ravi-lipta-sesam amsa-sesam va/
atha va madhyamam istam kurvan a vatsarat ganakas// BSS_18.86

jiva-vilipta-sesat ku-jam indum bhauma-liptika-sesat/
ravim indu-bhaga-sesat kurvan a vatsarat ganakas// BSS_18.87

ista-graha-ista-sesat dyu-ganas
gata-nis-apavarta-samgunitais/
cheda-dinaiś adhikas asmat anya-graha-sesam istas va// BSS_18.88

nis-cheda-bhaga-harau grahayos viparitau grahayos dyu-ganat/
yasmāt tad-nis-chedena uddhrtayos labdha-samgunitau// BSS_18.89

nis-cheda-bhaga-harau viparitau tad-yutat punar tasmāt/
sese dyu-ganat evam %tri-adinam prak-vat ista-dine// BSS_18.90

dyu-ganam avama-avasesat ravi-candrau madhyamau sphutau atha va/
evam tithim graham va kurvan a vatsarat ganakas// BSS_18.91

%eka-dinam avama-sesam yad-gunam %eka-ravi-candra-bha-gana-unam/
sudhyati bhū-dina-bhaktam vi-%ekam candrais tad-uktis iyam// BSS_18.92

#isu-#sara-#krta-%asta-3digbhis 108455 sangunitat
avama-sesakat bhaktat/
#rupa-%asta-#veda-#rasa-#sunya-#sara-#gunais 3506481 dina-ganas
sesam// BSS_18.93

#jina-#rasa-#go-#abdhi-#rada-3249624-gunat
#sasi-#vasu-#krta-#rasa-#kha-#bhuta-#rama-3506481-hrtat/
ista-avama-sesat yat sesam ravi-bha-gana-sesam tat// BSS_18.94

#go-#aga-#indu-#kha-#isa-110179-gunitat bhaktat
#nakha-#paksa-#yama-#rasa-#isu-#gunais 3562220/
sesam avama-avasesat tithayas avama-sesakat vikalam// BSS_18.95

bhaga-kala-vikala-aikyam drstva vikala-antaram ca ke sese/
aikyam dvidha antara-adhika-hinam ca %dvi-bhajitam sese// BSS_18.96

tad-varga-antaram adye tad-antaram ca anantara-uddhrta-yuta-unam/
varga-antaram vibhaktam %dvabhyam sese tatas dyu-ganas// BSS_18.97

[kṛti-samyogat %dvi-gunat yuti-vargam prohya sesa-mulam yat/
tena yuta-unas yogas dalitas sese prthak abhiste// cb.99] BSS_18.98

sesa-vadhat %dvi-kṛti-gunat sesa-antara-varga-samyutat mulam/
sesa-antara-una-yuktam dalitam sese prthak abhiste// BSS_18.99

hrdi-ghatram ami prasnas prasnan anyan %sahasra-sas kuryat/
anyais dattan prasnan uktya evam sadhayet karanais// BSS_18.100

jana-samsadi daiva-vidam tejas nasayati bhanus iva bhanam/
kuttakara-prasnais pathitais api kim punar %sata-sas// BSS_18.101

prati-sutram ami prasnas pathitas sa-uddesakesu sutresu/
arya-%tri-adhika-%satena ca kuttas ca %astadasas adhyayas//
iti sri-brahmasphutasiddhante kuttaka-adhyayas %astadasas//
BSS_18.102

[sanku-chaya-adi-jñanam]

[prasnas]

drstva dina-%ardha-ghatika yas arka-jñās aksa-amsakan
vijanati/
udaya-antara-ghatikabhis jñatat jñeyam sas tantra-jñās// BSS_19.1

asta-antara-ghatikabhis yas jñatat jñeyam anayati tastmat/
madhya-gatim yuga-bha-ganan anayati tatas sas tantra-jñās// BSS_19.2

anayati yas tamas-ravi-sasa-anka-manani dipaka-sikha-auccyat/
sanku-tala-antara-bhumi-jñane chayam sas tantra-jñās// BSS_19.3

ista-grha-auccya-jñās yas tad-antara-jñās niriksyate tu jale/
grha-bhitti-agram darsayati darpane va sas tantra-jñās// BSS_19.4

chaya-%dvitiya-bha-agra-antara-vijñanena vetti dipa-auccyam/
sanku-chaya-jñās va bhumes chayam sas tantra-jñās// BSS_19.5

drstva grha-tala-antara-jalabhos drstva agram grhasya
bhumi-jñās/
vetti grha-auccyam drstva taila-stham va sas tantra-jñās// BSS_19.6

viksya grha-agram salile prasarya salilam punar sva-bhu-jñane/
anayati jalat bhumim grhasya va auccyam sas tantra-jñās// BSS_19.7

jñatais chaya-purusais vijñate toya-kudyayos vivare/
kudye arka-tejasas yas vetti arudhim sas tantra-jñās// BSS_19.8

[uttarani]

ista-divasa-%ardha-ghatika ghatika-%pañcadasa-antara-pranas/
tad-divasa-cara-pranas tais aksam sadhayet prak-vat// BSS_19.9

jñata-jñeya-grahayos udaya-antara-nadikabhis adhika-unas/
udayais jñatas jñatat jñeyas prak-aparayos jñeyas// BSS_19.10

jñatas sa-bha-%ardhas udayais asta-antara-nadikabhis adhika-unas/
jñatat purva-aparayos jñeyas bha-%ardha-unake jñeyas// BSS_19.11

jñatam krtva madhyam bhuyas anya-dine tad-antaram bhuktis/
trairasikena bhuktya kalpa-graha-mandala-anayanam// BSS_19.12

sthiti-%ardhat viparitam tamas-pramanam sphutam grahane/
mana-udayat ravi-indvos ghatika-avayavena bha-udaya-tas// BSS_19.13

dipa-tala-sanku-talayos antaram ista-pramana-sanku-gunam/

dipa-sikha-auccyat sankum visodhya sesa-uddhrtam chaya//
BSS_19.14

sanku-antarena gunita chaya chaya-antarena bhakta bhus /
sa-chaya sanku-guna dipa-auccyam chayaya bhakta// BSS_19.15

jñatva sanku-chayam anupatat sadhayet samucchrayan/
grha-caitya-taru-naganam auccyam vijñaya va chayam// BSS_19.16

yuta-drsti-grha-auccya-hrta hi antara-bhumis
drk-auccya-sangunita//
phala-bhus nyaste toye prati-rupa-agram grhasya narat// BSS_19.17

grha-purusa-antara-salile viksyā grha-agram
drk-auccya-sangunitam/
grha-toya-antaram auccyam grhasya nr-jala-antarena hrtam// BSS_19.18

%prathama-%dvitiya-nr-jala-antara-antarena uddhrtā jala-apasrtis/
drsti-auccya-guna ucchrayas toyat nr-jala-antara-guna bhus//
BSS_19.19

chaya-purusa-chinnam jala-kudya-antaram avaptam arudhis/
adhyayas %vimsati-aryanam %ekonavimsas ayam// BSS_19.20

[chandas-citi-uttaram]

rgvargah paryayah samuhayogavayuksu yugmesu/
soyah pragvatpraptadascatuskakah sesayuktyontyah// BSS_20.1

ekadiyutavihinavadyantau tadviparyayau yavat/
vargadisu visamayujam kramotkramadvardhayetpadan// BSS_20.2

ekaikena dvyadvyah soppappadhikesu tatpratisthesu/
vargadirabhistantah prastaro bhavati yavamadhyah// BSS_20.3

sunontyo dvipadagram tripadadyanamadhah prthak samkhya/
tacchodhyo vyekah prthagntadрупamurdhvayutam// BSS_20.4

yavat padavyekagacchadvarnesvathaikavrdhesu/
rupadyutaghatē vargadyanam para samkhya// BSS_20.5

rupadhikapadardhevisamesurdhvah samesu padardhe/
ardhadvigunavyekamyulanyadhastasya sarvesam// BSS_20.6

madhyais tathardhahinaih kramapadair vyastatulyapadadyah/
visameravyekam madhye prohyadyanyatah kuryat// BSS_20.7

saikakramatulyadyair nyaso'bhyadhiko visodhitas cadhah/
samkhyaiyam tadrk yadrk prathamā trirahito naste// BSS_20.8

madhyaih krtais ca dalitaih samasamkhyayam kramotkramat
kseppam/
visamayam vyekayam dalam kramad uttkramat saikam// BSS_20.9

samasamkhyayam sopanakramotkramabhyam tathaiva visamabhyam/

kalpya pacite drste prathamah sesaksaranyante// BSS_20.10

samadalasamavisamanam samkhyapadardhasarvakalpavadhah/
svadyavadho'nyaih padaih svaparasya pragvadhah saikaih// BSS_20.11

adyadanantaro'dhah kalppo'nyatulyamadyah prak/
nyaso vargo'nyonah prastaro'rdhasamavisamanam// BSS_20.12

nastentyat svadhasthonakalpaghato'rdhatulyavisamanam/
vyekah prthak svavargodhrtah phalam tulyakalyanam// BSS_20.13

uddiste kalpahrte'titaih prathamah phale sarupe 'nyah/
asakrdvargamsayute saike vardhasamavisamanam// BSS_20.14

kapesu prthak gurulaghusamkhyaikadibhajita pragvat/
visamesvadyalaghuno laghubhir meruh samadinam// BSS_20.15

ekadvitayoh parato dvisamguno'nantaradvirupo'dhah/
vargadharadyonodallasamavisamanam dhvajo laghubhih// BSS_20.16

laghusamkhya padadalita parato'dho'dhas ca sudhyati hrta yaih/
dvigunantaih suddhair vargaparair mandarо laghubhih// BSS_20.17

krtvadho'dhah kalpyanyekadyekottaranadhastesam/
svat parato'nyaikyam adhah prastarad uktavad ihadyaih// BSS_20.18

gurusastyekanighatidvigunanyekamgulani samkhya syat/
dravimsatir aryanam chandascityuttaro'dhyayah//
iti sri-brahmasphuta-siddhante chandascityuttaradhyayo
vimsatitamah// BSS_20.19

[jya-prakaranam]

rasi-%asta-amsesu ankan pada-sandhibhyas krama-utkramat
krtva/
badhniyat sutrani %dvayos %dvayos jyas tad-%ardhani// BSS_21.17

jya-%ardhani jya-%ardhanam jya-khandani antarani/
vyastani antyath va isus utkrama-jya dhanus tabhyam// BSS_21.18

%eka-%dvi-%tri-gunayas vyasa-%ardha-krtes prthak %caturthebhyas/
mulani %asta-%dvadasa-%sodasa-khandani atas anyani//
BSS_21.19

tulya-krama-utkrama-jya-sama-khandaka-varga-yuti-%catur-bhagam/
prohya anastam vyasa-%ardha-vargatas tad-pade %prathamam// BSS_21.20

tad-#dala-khandani tad-una-#jina-samani %dvitiam utpattau/
#krta-#yamala-%eka-#dis-#isa-#isu-%sapta-#rasa-#guna-%nava-adinam//
BSS_21.21

evam jiva-khandani alpani bahuni va adya-khandani/
jya-%ardhani vrta-paridhes %sastha-%caturtha-%tri-bhaganam//
BSS_21.22

utkrama-sama-khanda-gunat vyasat atha va %caturtha-bhagat yat/

krtva ukta-khandakani jya-%ardha-anayanam na laghu asmat// BSS_21.23

— Brahmagupta: Brahmasphutasiddhanta (Academic edition — see source file header)