

2022 年度
“机械工业科学技术奖”

提名工作手册

机械工业科学技术奖励工作办公室

2022 年 1 月

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机械工业科学技术奖提名书

(2022 年度)

一、项目基本情况

0 ~	5L -:		
Nfl-\$ CO&			
q?• ' F ð			
q?• ' F			
q N _c B			
IP <2- C O&	1	.7	
	2	.7	
	3	.7	
v 3"G5 # > P			
1 × \$~			
> 0 ¶A×H = OH, "Nfl-\$ CO& '5L - : CC»Eý 5 Nfl ,300 μ			
¾ DI _ , μ	¾ " < . AÜÝ . , μ		
Nfl-\$C! ,L*	C> : " >	' F: " >	

jà J0 ° _

Æ . Ô

二、项目简介

· CC>Eý 1 N« μ

三、主要科技创新

· CC»Eý 10 N« μ

四、客观评价

·CC»Eý 2 N« μ

1. $\mathbb{N} \setminus \{0\} \rightarrow \mathbb{N}$, $\% \text{PF?}$

"Nfl-\$8) G j \hat{U} 3+g > ?CzC^,"1b ? i p " 0 >," ? " » ·2019

" 3 >

31 D μ \mathbb{N} \hat{U} — L $\mathbb{N} \setminus \{0\}$ -A÷D, L 3 i4Y. '0 $\mathbb{N} \setminus \{0\}$ -SP' I

\hat{U} >

H" —A÷ 4ce4yH" — \sim

U \sim

Ace - \hat{U} 4ce4yAce - \sim

U \sim

P' I \hat{U} 4ce4yP' I \sim

U \sim

五、推广应用情况、经济效益和社会效益

1. $\mu + \beta \cdot L$
2. $N \ll \mu$

2. F ? "-* Ū # ~- . = ü E¥O 2-Nfl-\$ % C ¡! E μ			
" 3	æŌ6 dNÓ	æŌ_#Ü	æŌD I
2019 "			
2020 "			
2021 "			
3e Ax			
5 # ~- ," ? 'B* D : E-\$,"Ax1" Ó/ ~L 500 μ			

3. /t P -- DL* Ū # -- .L 800 μ

七、主要知识产权和标准规范等目录

. Aü Ýy · = üµ 2- a	. Aü Ýy · = üµ CO&	3 i · f p µ	¾y - · = ü5L - µ	¾y · = ü 9 µ U	A÷ 5L - · = ü fl ü 9G L µ	y _ ð · = ü C>9 µ	D ð · = ü C>9 ðµ	D l _ · = üµ ? ~(i 7

µBO ~ bNfl-\$ v M. Aü Ýy1\ > C?·"x J ;Aä> @F&. Aü Ýy ´ = ü?æ991 +^
 ~ C p æ PO ¶l e , (· ~ ' M Nfl-\$ q?· ´ F ð" y _ ð· D l _ =
 D ðµB E , ? !. BA÷D ~ } = >

Nfl-\$1b 6 ´ F ð1· C ~

八、主要完成人情况表

C] a		" C	1b ' F ð
O+U " >		O+U f		"G	
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> u6 x		e \ 3 ð		3 ,L*	
		6 31+kB			
FPAå f v					
+k 1ç				01 ð kB	
" P W		" P ,L*		% LOA Ü	
¶ e6 O&		I P = IKµ		6Q	
49í ç 9 @¿O& - ß °					
† ÖbNfl-\$,"C)! ,L*	8				8)
/ bNfl-\$ q?•O ¶ eCW)d ˘L 300 µ					
<p>声明:</p> <p>1. B Nfl-\$ e b ð b " ÜÆ C," e 6Nfl-\$ > b ð B E q?• ' F ð " C ,< / C » i G Lz , 'F > ... x , A÷v Ñ" ? ' ˘-U Ô? ~ , J C ^F -.'# `# ?œ °(å ð Äü Ýy," ß > b ð (. ¿ b ðÆ C ß ° J 8Aä> , Ý+U ¿Aä , < O% •G >B9 :*< ></p> <p>2. b ð1\ > pNfl-\$ ' F ð"?•"x , C ˘ ç x † E c ðG § ' 3 ç x # F 1x<," ð ></p> <p style="text-align: right;">b ð1. C ˘</p> <p style="text-align: right;">" ></p>					

八、主要完成人情况表

·F8+^ ~ \$e%Ø & f p L 32 ' F ðμ

C] a		" C	1b	' F ð
O+U " >		O+U f		"G		
A÷ , -				32 / f p		
	1b	"G - j >		O+U f		

九、主要完成单位情况表

CO&		v ^ f	
" C]C^	
6 31 ð		6 31+kB	01 Þ+kB
FPAå f v		Fä u5L.7	

/ bNfl-\$ ¶ e Q æ´ °+^,"CW)d ˘L 600 µ

十、提名单位意见

C		FPAå f v	
6 31 ð		Fä u5L.7	
6 31+kB		+k Fälç	
<p>1. C E?÷ ~ · C G ~ 300 μ</p>			
<p>2. C O ~ C1 4Ý~ C O ~ _____ C1 4Ý~ _____</p>			
<p>& D ~ b F« ¾E c 3 p æ PO ¶ e ç ` F," ? ' ?œ — , μBOF« ¾Aœ x 4à ` ,v Ñ" C ~-U Ô? ~ ,JC ^ 1 F E c 3 ðG § ´ 3 ¾3 iO ü# F ´ EO ¶ e ü?œ — F1 -. '# `# ?œ °(å ð Aü Ýy," B > ,>Æ CNfl-\$ +U ¿Aä , <O% ·G > , B9 :*< ,AÚU > p C , " x< μB-. °," CY 1 ></p> <p style="text-align: center;">C · c1μ</p> <p style="text-align: right;">" ></p>			

十一、附件目录

· 6 $\mu\beta = Lz$,

1. $\eta eH'' - \cdot LAce - \mu A \div D >$
2. $0 \eta \alpha \hat{U} >$
3. $\ddot{\alpha} \hat{U} >$
4. $n \delta. A\ddot{u} \acute{Y}y' = \ddot{u} \text{œ} 991 A \div D >$
- 5.

《机械工业科学技术奖提名书》填写说明

E p æ P O ¶ e C F e p æ P O ¶ e Aœ x" O.v % , ' q?·
Aœ xÓ/ , ° [r ?' p æ P O ¶ e ç Ôç Ú E2022 " Üp æ P O
¶ e C F P. F ?·"x , ? C ?œ —," r E =E-\$ v M =N,"?·"x , , Ô=
M j ~ >

E p æ P O ¶ e C F ;"+k (~ C '4îC^ C Z O E >
+k (~ C ;" q , ·1b 68)1b wG < µ 'Lz , ·1b w 6G < µ ZG < ,M6
??·"x,-L|5 5 315 ·www. cmiao. com. cn µ ^4l j ~ ' @ V-. 'Lz , ~ >

4îC^ (~ C ;" q , ·1b 68)1b wG < µ 'Lz , ·1b w 6G < µ ZG < , q
,G <,"N«EiD) : 3.0cm ,@ A : 2.8cm· C315 Ñr AE‡ W µ p ü µ ,

! %o %o µ+^ 5` E - , D C E ~ 18.β >=N, ' 4> %o r E OÄä U =
' p q > q , ^315 c j ~ ' " D ,-* ÜAE‡ PDF r E f ! E (~ ; a"j f '

.7 µ , M CL ,4î V?œ r A4,1 G Ý>BAØ> Lz , CM6 315 c f >
C q , Lz , >AØb 6 E Z 3 , < c 6 ' " ~ BN- e Ö, . ' F

- 1 N« = C 1. - 1 N« = ' F ð. N« = q?·. Aü Ýy ' = ü?œ991 -\$ 1.
N« µ , Ö, ^) @@ =# Ö, m > E p æ P O ¶ e C F >BAØD

M6 Lz Ö7M , 6 =Nfl-\$ O b β ° pOìN« >

j ~ > ?·"x , A ~
6 =Nfl-\$ O b β °

I PAœ x4œ o / bNfl-\$ v I PN... , ? p æ P O ¶ e : I PAœ x4œ
Aœ x99 * ,+g315 o / C j ~ , "1b 6 ' I P <2- CO& ,8 †+U F >

O ~ < p ¶ e D ' O ¶ F ! Z ' O , & i 1+i ŪM> F? E c ,'
O 2- a8 † j ~ >

5L - ~+g315 8 †+U F >
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V ONfl-\$, ¶ e » i ' (fl · >
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h = ü · = ü - h h h µ F >
4 =0 ¶ U @ DO /2-Nfl-\$ °-* Ū^B 4 = U @ , " CO& , < Ö C - , D

Ö" - = D1b (~ · > µ , , E h h h F ·1b h (~ µ >
q?· ' F ð ~ +g315 o / j = q?· ' F ð β ° > 8 †+U F >

q?• ´ F ~ +g315 o/ = q?• ´ F B °> 8 þU F >
 qN, B ~ ? E 3 ì" B# qN, B > F j ~ 3 8)7 ' D CNfl-\$ ¶ e » ì ü =-. '

, " qN, B , " ' B B#L* ° Ö“ ´ - > , C/ — % C j! Nfl >

I P <2- CO& D .7~ eAœ x c/ — I PAœ x4œ =F"F? I ì," q?• Ó/ ,
 ° q?• O ¶ Q æ v#¿ O , "H ?• OA Ü N° ´ j ~ , & ì 1Nfl-\$ O b B °N«M , "

I P <2- CO& F? E c," > CO&8 þ j ~ , / — I PAœ x4œ j ~ , "1b 6 '

<2- CO& p Ó/ >

ð ¶ e Q æ - = = ü DE¥O = ö# 2- = 4 = O ¶ U @ DO /2-Nfl-\$ j ~

, "1b 1 ' O <2- CO& ° p < v ^ I P4œ," .7 , 1b 2 ' O <2- CO& % j ~ -. '

, " I P O ì G > ð ¶ e Q æ -Nfl-\$, " I P4œ .7 p 12 ´ = ü DE¥O = ö

2-Nfl-\$, " I P4œ .7 p 13 ´ 4 ¶ U @ DO /2-Nfl-\$, " I P4œ .7 p 14

v 3"G5 # > P ~ ^315 cF? -. °L 2- >

1 x \$ ~ ~ ^315 cF? -. °2- a , % PF? >

> O ¶ AxH = OH , "Nfl-\$CO& ´ 5L - ~ CC»Eý300 > Nfl-\$ ·B4N, µ° (5

N, > o / D bNfl-\$, "3] üOA ÜN° ´ j ~ , CC»Eý 5 Nfl >

¾y D I _ , µ ~ =-* Ûe 7 bNfl-\$O ¶ Q æ » ì F1 , " (¾y D I _

f >

¾y , " < . Aü Ýy · , µ ~ =-* Ûe 7 bNfl-\$O ¶ Q æ » ì F1 , "L D I

_ L < ¾y , " . Aü Ýy f ,, Ô ^ æ I _ =L?!AôAxI _ = Ax1" pE¥ ; y =

Lü F+kD% 9 4AôAx y1 >

Nfl-\$C>! , L* ~ C> , L* =1 Nfl = 1 x AEô = > B1·5x1 = Nfl-\$ 6 J , "

, L* ´ ´ F , L* =Nfl-\$ " ¶ eOì!W ° + ^ , " , L* , # 2ô/ f , " , 5 6 j ~

"1 >

´ =Nfl-\$1¶

CC»Eý1 N« >H & ì 5 Nfl-\$, "H ?•] ´ E =1 Nfl7 ¥ = q?• O ¶ e » ì =

¶ e5 # = = = ¾y . Aü Ýy B ° =5 # ~- ´/t P ~- , øF > PO ¶ F !

+^1 >

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CC»Eý10 N« >" q?• O ¶ Q æ e CNfl-\$, " n ø » ì , eAœ -Nfl-\$ =F"F?

I ì = :* < 8Aä" q?• Ó/ > q?• O ¶ Q æ ° o/ C ç2- a , " C B j ~ q?• ¶

e D& ì L q?• Q æ ì < q?• » ì ~

1. ¶ e D ~

q?• ¶ e D&i ~ Ø† =-U Ô= ü/ fLFF&Nfl-\$ ¶ e » i c ð'x?," = > ?
 QFV]," 'Kd = n ø ¶ e > ¶ e D&i ?H ?•OA Ü" ~ , < = D ~ - >
 q?• » i ~ *5 Oì Q] = ~F] ´ ¶ e - r / : D&i," » iF > LFF& , ; "
 Nfl-\$ ^ ¶ e Ô< L O.v] =n ø] ¶ eL\$N, @ " , "O•j AðA÷ Ô´5 Ò, Ø† =
 B Ôf /" 3 » L B2- ¶ e," q?• † f , " Nfl ¶ e D ^LFF& °Oì ~B* D v , "
 O <2- CO& ´ e 7 < F1 , " ðy. AüÝy > n ø D&i BN- " ðy. AüÝy >
 2.0 ¶F ! ~

q?• Q æi ~ Ø† =-U Ô= ü/ fLFF&Nfl-\$ > ? QFV]," 'Kd = n ø ¶ e > Q
 æi ?H ?•OA Ü" ~ , < = D ~ - >
 q?• » i ~*5 Q æ] = °+^ ~- ´5 # /t P - r / : Q æi," » iF > LFF& ,
 ; "Nfl-\$ ^ ¶ e Ô< = 'Kd ¶ e L6;315 LüF @ " , "O•j AðA÷ Ô´5 Ò, Ø
 † =B Ôf /" 3 » L B2- ¶ e," q?• † f = ~- = 8 p1 ¿ Ñ, < M D q?•. Aü
 Ýy ´ = ü?œ991 >" Nfl Q æi ^LFF& °Oì ~B* D v , " O <2- CO& >
 = Ø† Ace -

CC»Eý2 N« > *5 Q æ] = °+^ ~- ´5 # /t P - rF > Ø† =-U Ô= ü/Aœ
 - > j ~," » i?• ? Ø† Ó/ , q?• » i ; "H" —5 Að LAœ -5 Að , P´ I E?÷´ ¶
 e ð´·B P´ µÛ 5 Að´ 3 » L B> ^H ?• e @ (= e l: ´H ?• 3L{ e
 PAä ¢ 6 > , " e]Ace -] E?÷1 >M ¢ 6Cz ~ · , /÷ ð 31 µC73 pAce -
 5 Að Ó/ >

1b ? iAce -> rB- , Ô´ > j ~ , 4œ4ý , " CO& ° D v- ¢1 ´ 68* ,
 U j ~ Û O > , L* > , Ò60 2- ´ Û ? P ´ , B- j ~ U 6 æ L6;4œ4ý
 4Ýa * y 7," >

° = bµ °+^ ß ° =5 # ~- ´/t P ~-

1. bµ °+^ ß °

CC»Eý2 N« > ° gNfl-\$,"+U Ý = °+^ = bµ ß ° N" U °+^ ¥1 F > ,F& ,
 < Ñq?• °+^ B 4ü ß ° , < M> i EB* D >

q?• °+^ ß °

-	CO&	°+^," F Ò	°+^ /B ?œ W	°+^C>! ,L*	°+^ 6 31 ð / +kB

2. F ? "-* Û # ~- , ?> r E-\$ j ~ · CC»Eý 500 µ > E c j ~ , "5 #
 ~- f ° Úe 7 f / F1 , " ÷A÷ ~ , , ~OD xG L O > , "OD xA÷ D = ´ F

CX xG L n ü O >,"CX xA÷ D1 ,?"x j ʼF ? " bNfl-\$ (",-* Ů # ~
- >
: E-\$,"Ax1" Ó/ , ° g+U ÝL °+^B Nfl-\$ D Ý+U,"-* ŮeAxö Ô--
Q Ý÷C^H = Q Ø P+U Ý%01 iM O1¶?•B* D , < > M O b> v j :Nfl --
NÓ'Ax1" i# 'Ax1" Ó/ >
3. /t P -- DL* Ů # -- . CC»Eý 800 µ > =Nfl-\$ ^ P⊙ ¶ eF ! =
Ů 'lCz\$~ L+U 7)â„ = Q 3"GO %0 L3VC^ = / - ð 1 iM vC>," +^ ,
Nfl-\$ °+^ PµD , bNfl-\$ q?• ʼ F L Ý+U,"5 # -- >
£ = bNfl-\$ 49íO ¶ ç B °
“ bNfl-\$ 49íO ¶ ç B ° ° , Ôj ~ AO ¶ ç B ° ~
1. -7·8 "æ p µ-*Eì 8 AxH M 8 ð'G u Ò, 3 xL ? 'G L 1 Aö1 ,"O ¶
ç
2. ^ 3 iO ¶ e ç Ôç Ú= ~,"/t P ÑH O ¶ ç >
9 = n ø. Aü Ýy ʼ = ůœ991-\$
j ~-* Ůe 7 bNfl-\$ q?• ¶ e D&i L q?• Q æi J (fl üL ¾y," q?•. Aü
Ýy ʼ = ůœ991 A÷D ~ , ; " D I _A÷ = Ô^ æ I _ = L?lAôAx I _ =
Ax1" pEÿ ,: yA÷ = 3 i > P = üi > C ¶ e D Nfl-\$," ? ʼ F ð
° p v M D I _," D ð 6 > D ð = y _ ð } C eNfl-\$ ʼ F ð" I _ C " M
>
v M. Aü Ýy y § ?," , BN- • " ' M Nfl-\$ q?• ʼ F ð" y _ ð · D I
_ = D ð µ B E , < +gNfl-\$b 6 ʼ F ð1. /AÜ >
j = q?• ʼ F ð B ° > · \$e%0 & f p L 32 ʼ F ð j ~-. ° > r µ
“ q?• ʼ F ð B ° > eAœ - ʼ F ð e \ > =9í „, "H ?• Ó/ , ° ? > r
?•"xFFNfl j ~ >
“ C D ¾ ð f ~ ʼ F ð ?' CW)d] E " ~ > ¾ ð f ?' 64p9í 1 4Ý8 p
' , 61 ¾ ð f CC»Eý 15 ð , ʼ1 ¾ ð f CC»Eý 10 ð , ?1 ¾ ð
f CC»Eý5 ð >(fl1 p 61 ,"(fl ` , ¾ ð f CC»Eý 30 ð >
DÆ 3A÷ - ~]L| {"G j ~ 3 » {"GDÆ 3A÷ - · 18 µ , DÆ 3A÷ - e E x ,"
q?• Ó/ ,B- xB/AÜÆ 3A÷ - ü/ B% >
A÷ , - ~ \$e%0 {"G j ~ O~\$e L%0L {"GDÆ 3A÷ - · &\$· {"G ° Ñ&\$· {"G
¶]L|FP> A÷L c ð'G § ʼ 3 &\$· {"G { A÷C f , , "x? @F&A÷ , , % Ñ
&\$· {"GDÆ 3A÷C f , ʼ L2 ð j ~ Ú - >

~ o / ð ` '31 j ~ ' F ð)æ , " (F6 G, " j ~ F6 G , "

' ^ 3 L , " , j ~ 3 L >

+k 1ç '01 Þ+kB ~ j ~ -U Ô? ~, " 6 31 i E , / 73 , Ûl-. 'FP. >

† ÖbNfl-\$, "C! ,L* ~ C> ,L* ° ^ bNfl-\$C> ,L* D ,5 ,L* o / Ô

L{ B ° j ~ , CL ~ bNfl-\$ ' F ,L* >

/ bNfl-\$ q?•O ¶ eCW)d~ CC»Eý300 , ° > ~ D ' ð /Nfl-\$ QFV] ¶

e » i O, "CW)d # D / ° ? = q?•O ¶ Q æ v M1b Nfl Q æ i L D&i ,

e 7 b ðCW)d F1 , "A÷D ~ ^Lz , c, "5L - >

~ ð Q æNfl-\$ v ? ' F ð)N- p ðÆ 3 ·M6 Ñ-g Ø Æ L N• , " ¶

A÷ = ¶ >A÷ =Q 4Ý¶ >A÷1 µ , J CC»Eý5 ð >

= ü2-Nfl-\$ j ~, " q?• ' F ðN- ^ (5 9, " = ü%o b @6 c, " q?•5L ~ ð

C M ,E¥O 2-Nfl-\$ j ~, " q?• ' F ðN- DJO< Û c, "5µ C 68* >

4 =0 ¶ U @ DO /2-Nfl-\$, " q?• ' F ð° e ~ ·1 µ / 4 , "5L f O-*

ÛQFV]CW)d, " q?• 6; = q5L =CY 15LE'1 ,N- D! E O(~(, " 7M · @6 µ

(~ yN« 68* ·2 µ /O ¶ U @, "5L f O-* ÛQFV]CW)d, " q5L = q5L =CY 15LE'

1 ,N- ' U @(~ yN« 68* >

Lz , v M ¶ e F ðH" — LAœ - Þ' l Û 1 , " l i4œ F C73 pNfl-\$ ' F ð>

& D ~ ^AÚUL;B1 & D » i D ,+g b ð ^4îC^ ~ b ðl· C :1· C ,?"x

µ+^1· 1J , F/\$; f %EÁÚ, C "#, o > · 1· C, " ?ü p E x C > r , C ¾

* < µ >

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" q?• ' F B °> e n Ô CNfl-\$ v M ' F e \ > =9í , "H

?• Ó / , j ~ ° ü / B% >

CO& ~ v M ' F ° p# ð ,?"x v j CO& p O& , < D

¢1 CO& ' 68* , C ~ µ+^1¶O& >

~ = ü2-Nfl-\$ j ~, " q?• ' F N- ^ (5 9, " = ü%o b @6 c, " q?•5L

~ M >E¥O 2-Nfl-\$ j ~, " q?• ' F N- DB4N,JO< Û cB4N,4œ C

O& 68* > 4 2-Nfl-\$, " q?• ' F p q?• 6; v ^ ·1b 6 ' F µ = O(~

/t >

" C ~ q?• ' F ?CW)d] E ~ , ¾ f ?' 64p9í 1 4Ý8 Þ

' > 61 ¾ f CC»Eý 10 ' , '1 ¾ f CC»Eý 7 ' , ?1 ¾

f CC»Eý 5 ' >(fl1 p 61 , "(fl ` , ¾ f CC»Eý 20 ' >

/ bNfl-\$ ¶ e Q æ´ °+^,"CW)d ~ CC»Eý600 , , Ô´ D b / CNfl-\$
 O," q?•CW)d >
 & D´ AÚUL;B1 “ & D vF& » ï ,4îC^ ~ ° ^ “ .# ðç1 µ : Ö
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 ~ e \1\ >?•"x D , o / CNfl-\$,” q?•O ¶ Q æ= ¶ e5 # = = = øF > PO ¶
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 , , ~ D > C E?÷ >
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 ,”Nfl-\$ C73>Æ ¾¾?1 >
 , ÔÛ v ?1 4Ý, %F? } % F?Nfl >
 & D´ ^/AÚ C ~ Ô<B 4üL;B1 “ & D vF& » ï D , ^ C : Ö
 - C ç1 >
 , ÒeQ W Æ JL v =] ` 7 PLü CM6 O J q1xG L CUCY ð1. ,
 < Ö ç1 >
 w6 = q?•Lz ,
 q?•Lz , ; " B =Lz , ´ < Lz , >Lz , @ V+k (~ , ,?•"x Ñ JPG r E %o
 , , q f CC»Eý 80 ´ ,4îC^Lz ,A÷D ~ ° D @ V,”+k (~ 68* >
 = ü2- = 4 =O ¶ U @ O /B1(1 Nfl-\$F N- Ñ! E O(~ (,”OÌN« = (~
 yN« ?• C f , >E¥O Nfl-\$M6 ÑJO< Û 64pOu 7M =-\$ 1¶ 1 > >
 ?•"x?÷ ~
 1. ð ¶ e Q æNfl-\$ C> {?•"x
 2. = ü DE¥O = ö# 2-Nfl-\$ C> {?•"x
 3. 4 =O ¶ U @ DO /2-Nfl-\$ C> {?•"x

工人技术创新项目提名补充要求

1. 99 * C ,

99 * ~

q? ; " p æ OA =+k"J OA D8 PL1 p æ P-. 'N... »+U Ý7 P 64l ¶

e ð ^+U ÝÔ {EýOA c oF ¶ e Q æfl-\$ >

C , ~

B Nfl-\$! f C , BN- °+^% 2 " , J ¿ ` { +U >

C ð ¶ e Q æceNfl-\$? "x v ? ´ F ð BN- e 64l ð ,N- ÑØ Æ L N•

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´ F BN- e# ð , C73 < , =E L*1 +i Û>

C,"Nfl-\$ BN-F ? "9í "EýLü ¢ . L-74ÝÔ ¶ F ÒQ æF Òµ 61 . L

H µ-. 'A÷ pLz , @ V >

2. # E `Nfl

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," ð ð ¶ e Q æfl-\$ ^ b °+^ , %+g b O > °+^A÷D < Ö °+^

¢1 ,5 6 ^ Lz , @ V- °+^A÷D F > j @ V >

," ? < „. 'Lz , ~ „,H" —A÷ = ö# Û = æÛ = . AüÝyA÷D1 ,

?H ?•OA ÜÓW j @ V8) Lz , @ V- < A÷D , < < %o , =N, o p-. ° CO& >

标准与软科学、检测类项目提名补充要求

1. 99 * C ,

Acc 99 *

q? ; " p æl... , " = ü2- =E¥0 2- B P' ö# 2-JO< F Ô>

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· 1 µ = ü2- F Ô ~

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! f C , +g G 3 q 2C>9 =3L{ = ü4œ4ý 92 " @· a 2 " µ=5

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· 2 µE¥0 2- F Ô ~

p pPØ1 O L '1x<)æ L , øF O ¶ e =5 # D/t P B9 [H

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4ý,"P' I ' .JO< F Ô>Æ ? ' x =%o1 =Að %o = 2 K+^ L>Æ ? 'G L Gy4Ø = µ+^ ,

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CE¥0 2-Nfl-\$N- @ VE¥0 .JO< Û 64pOu 7M =-\$ =1¶ ,

> B P' IA÷D+k (~ , < Ñ 2 4îC^ .JO< Û >

图书、科技期刊与科普类项目提名补充要求

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99 * ~

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O ¶ U @2- ~>β = IFV PN... ? 6 - § Ñ" e2- = ¶ e2-O ¶ U @ >

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Lü = :2-")5L ' [:O "H" = C ' \61B (~ KF 4 >

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V p q?·E† , " c %o 4 O / 4 =O /+k O(~(=O ^N) I ÷ , < O(~C^

H ' f m>β]C^H ° 1\ > 3 ì E O(~1x* < ' Æ 4 C^H 1x* <?œ - F E+k O

(~(1x* <?œ - F v?œ -, "-. '?·"x ' .

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·3 µ ' ! f C , O(~ ,L* ^ 1 " @ = 5 " »· (~ yAæ , " O(~ "

3 p üµ

·4 µ < ' O(~," F 4 LO /B1(, F 2 p 6Nfl C , C " < c

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C , % < c 60)" C , | BN- %o 5 " Q , ° ' .

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3. M6NÓL Ñ"Lz , ~

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^ I ì C E?÷ ·Lz , 5 μ c)"1 j ~ , q?• / ¶ e » i Q æ /t P § Ñ

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ÛF7 lAœ U @2 · N- ÛF7 2019 "1b 1 U =2020 " 6 D 1 U =2021 " 6 D

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附件 1

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附件 3

期刊类参评项目主办单位意见表

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附件 4

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提名专家意见

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